

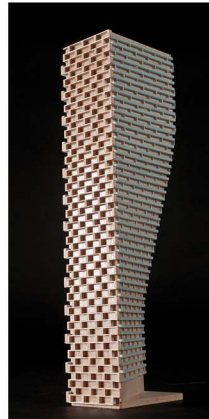
GRADIENTWIND

ENGINEERS & SCIENTISTS

STATIONARY NOISE FEASIBILITY ASSESSMENT

541-545 Rideau Street
Ottawa, Ontario

REPORT: GWE17-142-Stationary Noise



December 7, 2018

PREPARED FOR

10311197 Canada Inc

c/o Chenier Development Corp

14 Third Street East

Cornwall, Ontario

K6H 2C7

PREPARED BY

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EXECUTIVE SUMMARY

This report describes a stationary noise feasibility assessment performed for a proposed mixed-use development located at 541-545 Rideau Street in Ottawa, Ontario. The development will be 9-storeys high, with the first floor intended for commercial and amenity use, and the remaining floors above for residential use. The site is located on the corner of Rideau Street and Cobourg Street. Amenity space is provided in the main floor, a private terrace on the 4th floor and a common terrace on the roof top. The development also includes the reconstruction of a 3-storey heritage building north of the 9-storey building. Surrounding the site is a mix of low and high rise, residential and commercial buildings. This study examines the noise impact of the proposed mechanical equipment of the development onto the surrounding area. Sources of stationary noise include rooftop air handling equipment, condensing unit, fluid cooler, and emergency generator. Figure 1 illustrates a site plan with surrounding context.

The assessment is based on (i) theoretical noise prediction methods that conform to the Ministry of the Environment, Conservation and Parks (MECP) and City of Ottawa requirements; (ii) noise level criteria as specified by the City of Ottawa's Environmental Noise Control Guidelines (ENCG); (iii) future residential and commercial developments in the surrounding area, and; (iv) architectural and mechanical drawings prepared by Chamberlain Architect Services Limited and Jain Sustainability Consultants Inc respectively.

The results of the current assessment for the proposed development indicates that, provided our assumptions for noise control in Section 2.1 are adhered to in the detailed design process, noise levels at nearby points of reception are expected to fall below the ENCG noise criteria at all receptors. As such, the proposed development is expected to be compatible with the existing on and off-site noise sensitive land uses. A review of final equipment selection and locations by a qualified acoustical engineer will be required prior to installation of the equipment.

To ensure compliance with the ENCG the following noise control measures are recommended:

- Noise walls approximately 2.5 metres tall will be located along the south side of the generator enclosure and adjacent to the west façade of the mechanical penthouse, as per Figure 4. The noise wall must be of solid construction with no gaps along the length of the wall. The panels must be



constructed of materials having an overall surface density of 20 kg/m² or a sound transmission class rating of 30. The design of the barrier should be reviewed by a qualified acoustic engineer.

- The intake side of the air handling unit and fluid cooler will be fitted with an acoustic louver off the end of the unit. The acoustic louvers will have a minimum insertion loss as indicated in Table 3.

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1. INTRODUCTION

Gradient Wind Engineering Inc. (Gradient Wind) was retained by Chenier Development Corp. to undertake a stationary noise feasibility assessment for the proposed development at 541-545 Rideau Street in Ottawa, Ontario. This report summarizes the methodology, results and recommendations related to a stationary noise feasibility assessment.

The present scope of work involves assessing exterior noise levels generated by rooftop air handling equipment, condensing unit, fluid cooler, and emergency generator. The assessment was performed based on theoretical noise calculation methods conforming to the City of Ottawa¹ and Ministry of the Environment, Conservation and Parks (MECP) NPC-300² guidelines; architectural drawings prepared by Chamberlain Architect Services Limited; mechanical information provided by Jain Sustainability Consultants Inc.; surrounding street layouts obtained from the City of Ottawa; and recent site imagery.

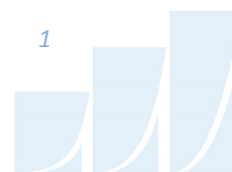
2. TERMS OF REFERENCE

The focus of this stationary noise feasibility assessment is the proposed mixed-use development at 541-545 Rideau Street in Ottawa, Ontario. The site is located on the corner of Rideau Street and Cobourg Street. The proposed development is a 9-storey building with commercial units at grade, residential dwellings in the above floors and two levels for underground parking. The development also includes the reconstruction of a 3-storey heritage building north of the site. Within the 9-storey building, amenity space is provided on the main floor, a private terrace of the 4th floor, and a common terrace on the rooftop. The private terrace is not considered a noise sensitive space, being less than 4 meters in depth. The rooftop terrace is identified as an outdoor point of reception (OPOR) as it is greater than 4 meters in depth.

The major sources of stationary noise are the rooftop mechanical equipment within the mechanical penthouse, including an air handling unit, a condenser, fluid chiller, and emergency generator. The site is surrounded by mixed-use land, mainly commercial developments and residential space. Across from the study building is a proposed residential development located at 560 Rideau Street which will rise 52

¹ City of Ottawa Environmental Noise Control Guidelines, January 2016

² Ministry of the Environment, Environmental Noise Guideline – Publication NPC-300, August 2013



meters above grade at its highest point. Given the nature of this building and location relative to the study building, it was also considered within this stationary noise study. Figure 1 illustrates a complete site plan with the surrounding context.

2.1 Assumptions

Gradient Wind has been provided sound data of the roof top mechanical equipment by Jain Sustainability Consultants Inc.. The following assumptions have been made in the analysis:

- (i) Sound data for rooftop units are based on manufacturer's data.
- (ii) The rooftop mechanical units are assumed to operate continuously over a 1-hour period during the daytime and at 50% operation during the nighttime period.
- (iii) The generator will only be tested during the daytime hours (07:00 to 19:00).
- (iv) The intake of the air handling unit and fluid cooler is equipped with an acoustic louver as outlined in Section 4.3.
- (v) A 2.5-metre-high noise barrier has been assumed along the south face of the generator, as per Figure 4, in order to sufficiently attenuate noise levels at the future approved apartment building.

The equipment assumed in the model consisted of:

- (i) S1: Make-Up Air Unit (Engineered Air Model DJE100/O)
- (ii) S2: Condenser Unit (Engineered Air Model CUE143)
- (iii) S3: Fluid Cooler Unit (Evapco Model eco-LSWE 5-4K12)
- (iv) Emergency Generator (Genrac Model SG150)

Figure 3 illustrated the location of all the stationary sources within the development.

3. OBJECTIVES

The main goals of this work are to (i) calculate the future noise levels on the surrounding noise sensitive properties, dwellings and outdoor points of reception produced by stationary sources and (ii) ensure that exterior noise levels do not exceed the allowable limits specified by the ENCG, as outlined in Section 4 of this report.



4. METHODOLOGY

The impact of the external stationary noise sources on the nearby residential areas was determined by computer modelling. Stationary noise source modelling is based on the software program *Predictor-Lima* developed from the International Standards Organization (ISO) standard 9613 Parts 1 and 2. This computer program simulates three-dimensional surfaces and first reflections of sound waves over a suitable spectrum for human hearing. This methodology has been used on numerous assignments and has been accepted by the MECP as part of Environmental Compliance Approvals applications. Twelve receptor locations were selected for the study site, as illustrated in Figure 2.

4.1 Perception of Noise

Noise can be defined as any obtrusive sound. It is created at a source, transmitted through a medium, such as air, and intercepted by a receiver. Noise may be characterized in terms of the power of the source or the sound pressure at a specific distance. While the power of a source is characteristic of that source, the sound pressure depends on the location of the receiver and the path that the noise takes to reach the receiver. Its measurement is based on the decibel unit, dBA, which is a logarithmic ratio referenced to a standard noise level (2×10^{-5} Pascals). The 'A' suffix refers to a weighting scale, which represents the noise perceived by the human ear. With this scale, a doubling of sound power at the source results in a 3 dBA increase in measured noise levels at the receiver and is just perceptible to most people. An increase of 10 dBA is often perceived to be twice as loud.

Stationary sources are defined in NPC-300 as "a source of sound or combination of sources of sound that are included and normally operated within the property lines of a facility and includes the premises of a person as one stationary source, unless the dominant source of sound on those premises is construction"³.

4.2 Stationary Noise Criteria

The equivalent sound energy level, L_{eq} , provides a weighted measure of the time varying noise levels, which is well correlated with the annoyance of sound. It is defined as the continuous sound level, which has the same energy as a time varying noise level over a selected period of time. For stationary sources,

³ NPC – 300, page 16



the L_{eq} is commonly calculated on an hourly interval, while for roadways, the L_{eq} is calculated on the basis of a 16-hour daytime/8-hour nighttime split.

Noise criteria taken from the ENCG and NPC-300 apply to outdoor points of reception (POR) and Plane of Window (POW) receivers. A POR is defined under NPC-300 as “any location on a noise sensitive land use where noise from a stationary source is received”⁴. A POR can be located on an existing or zoned for future use premises of permanent or seasonal residences, hotels/motels, nursing/retirement homes, rental residences, hospitals, camp grounds, and noise sensitive buildings such as schools, places of worship and daycare facilities. The recommended maximum noise levels for a Class 1 area in a suburban environment adjacent to arterial and collector roadways at a POR are outlined in Table 1 below. The study site is considered to be in a Class 1 area because it is located at the intersection of arterial and collector roadways. These conditions indicate that the sound field is dominated by manmade sources. When analysing standby power equipment such as emergency generators, the ENCG specifies a noise level limit of 55 dBA for daytime testing. Generators are also considered separately, without the combined effect of other equipment.

TABLE 1: EXCLUSIONARY LIMITS FOR CLASS 1 AREA

Time of Day	Outdoor Points of Reception	Plane of Window
07:00 – 19:00	50	50
19:00 – 23:00	50	50
23:00 – 07:00	N/A	45

4.3 Determination of Noise Source Power Levels

Preliminary mechanical information for the development has been provided by Jain Sustainability Consultants Inc.. Table 2 summarizes the sound power of each source used in the analysis, which are illustrated in Figure 3. The intake side of the air handling unit (S1) and fluid cooler (S3) will have acoustic louvers with a minimum insertion loss as described in Table 3.

⁴ NPC – 300, page 14



TABLE 2: EQUIPMENT SOUND POWER LEVELS (dBA)

Source ID	Description	Height Above Grade (m)	Frequency (Hz)								Total
			63	125	250	500	1000	2000	4000	8000	
S1	MUA Intake	29.45	54	64	79	84	84	85	78	70	90
S2	Condenser	32.35	64	74	78	84	87	82	78	66	90
S3	Fluid Cooler Intake	29.45	70	78	82	86	88	86	83	77	93
Generator	Emergency Generator	29.15					103				103

TABLE 3: ACOUSTIC LOUVER INSERTION LOSS REQUIREMENTS

Source ID	Frequency (Hz)							
	63	125	250	500	1000	2000	4000	8000
S1	0	0	12	22	17	21	11	2
S3	3	11	16	26	23	24	18	10

4.4 Stationary Source Noise Predictions

The impact of stationary noise sources on nearby residential areas was determined by computer modelling using the software program Predictor-Lima. This program was developed from the International Standards Organization (ISO) standard 9613 Parts 1 and 2 and is capable of representing three-dimensional surfaces and first reflections of sound waves over a suitable spectrum for human hearing. The methodology has been used on numerous assignments and has been accepted by the Ministry of the Environment, Conservation and Parks (MECP) as part of Environmental Compliance Approval applications.

A total of 12 receptor locations were chosen around the site to measure the noise impact at points of reception (POR) during the daytime/evening period (07:00 – 23:00), as well as during the nighttime period (23:00 – 07:00). POR locations include outdoor points of reception (OPOR) and the plane of windows (POW) of the adjacent residential properties. Sensor locations are described in Table 4 and illustrated in



Figure 2. S1 and S3 were represented as emitting facades in the Predictor model, whereas S2 and the generator were represented as point sources. Table 5 below contains Predictor-Lima calculation settings. These are typical settings that have been based on ISO 9613 standards and guidance from the MECP.

Ground absorption over the study area was determined based on topographical features (such as water, concrete, grassland, etc.). An absorption value of 0 is representative of hard ground, while a value of 1 represents grass and similar soft surface conditions. Existing and proposed buildings were added to the model to account for screening and reflection effects from building façades. A Predictor-Lima sample output is available in Appendix A. Further modelling data is available upon request.

TABLE 4: RECEPTOR LOCATIONS

Receptor Number	Receptor Location	Height Above Grade (m)
R1	OPOR – MacDonald Gardens Park	1.5
R2	POW – 160 Charlotte Street	35.5
R3	POW – 160 Charlotte Street	1.5
R4	POW – 16 Tormey Street	10.5
R5	POW – 10 Tormey Street	8.5
R6	POW – Heritage Element South Façade	8.5
R7	POW – 142 Cobourg Street	7.5
R8	POW – 521 Rideau Street	7.5
R9	POW – 560 Rideau Street	50.5
R10	POW – 560 Rideau Street	22.0
R11	POW – 530 Rideau Street	4.5
R12	OPOR – Roof Top Terrace	29.95



TABLE 5: CALCULATION SETTINGS

Parameter	Setting
Meteorological correction method	Single value for C0
Value C0	2.0
Default ground attenuation factor	1
Ground attenuation factor for roadways and paved areas	0
Temperature (K)	283.15
Pressure (kPa)	101.33
Air humidity (%)	70

5. RESULTS AND DISCUSSION

Noise levels produced by the generator are presented in Table 6, while those due to the mechanical equipment are presented in Table 7. Emergency generators are only tested during the daytime period (07:00 – 19:00). Therefore, the criterion is 55 dBA. The emergency generator was evaluated separately from other sources of noise⁵ (See NPC-300 C4.5.3). Noise levels at all outdoor points of reception and other plane of window receptors due to the generator fall below ENCG criteria provided our assumptions for noise control in Section 2.1 are adhered to.

TABLE 6: NOISE LEVELS FROM THE GENERATOR

Receptor Number	Plane of Window Receptor Location	Noise Level (dBA)	Sound Level Limits	Meets ENCG Class 1 Criteria
		Day	Day	Day
R1	OPOR – MacDonald Gardens Park	33	55	Yes
R2	POW – 160 Charlotte Street	39	55	Yes
R3	POW – 160 Charlotte Street	34	55	Yes
R4	POW – 16 Tormey Street	36	55	Yes
R5	POW – 10 Tormey Street	40	55	Yes

⁵ Environmental Noise Guideline “Stationary and Transportation Sources – Approval and Planning” NPC-300

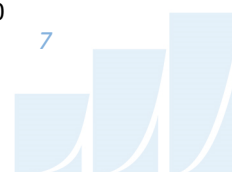


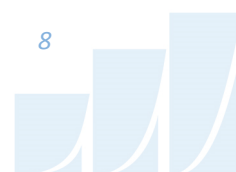
TABLE 6 (CONTINUED): NOISE LEVELS FROM THE GENERATOR

Receptor Number	Plane of Window Receptor Location	Noise Level (dBA)	Sound Level Limits	Meets ENCG Class 1 Criteria
		Day	Day	Day
R6	POW – Heritage Element South Façade	48	55	Yes
R7	POW – 142 Cobourg Street	47	55	Yes
R8	POW – 521 Rideau Street	47	55	Yes
R9	POW – 560 Rideau Street	54	55	Yes
R10	POW – 560 Rideau Street	34	55	Yes
R11	POW – 530 Rideau Street	38	55	Yes
R12	OPOR – Roof Top Terrace	41	55	Yes

TABLE 7: NOISE LEVELS FROM STATIONARY SOURCES

Receptor Number	Plane of Window Receptor Location	Noise Level (dBA)		Sound Level Limits		Meets ENCG Class 1 Criteria	
		Day	Night	Day	Night	Day	Night
R1	OPOR – MacDonald Gardens Park	26	23	50	N/A	Yes	Yes
R2	POW – 160 Charlotte Street	45	42	50	45	Yes	Yes
R3	POW – 160 Charlotte Street	35	32	50	45	Yes	Yes
R4	POW – 16 Tormey Street	34	31	50	45	Yes	Yes
R5	POW – 10 Tormey Street	27	24	50	45	Yes	Yes
R6	POW – Heritage Element South Façade	29	26	50	45	Yes	Yes
R7	POW – 142 Cobourg Street	28	25	50	45	Yes	Yes
R8	POW – 521 Rideau Street	31	28	50	45	Yes	Yes
R9	POW – 560 Rideau Street	50	47	50	45	Yes	Yes*
R10	POW – 560 Rideau Street	47	44	50	45	Yes	Yes
R11	POW – 530 Rideau Street	34	31	50	45	Yes	Yes
R12	OPOR – Roof Top Terrace	45	42	50	N/A	Yes	Yes

* Although sound levels from the development are marginally above (approximately 2 dBA) the ENCG sound level limits, the ENCG allows a tolerance of 5 dBA where it is not technically or economically feasible to mitigate noise levels below the criteria.



As Table 7 summarizes, noise levels at nearby sensitive receptors marginally exceed the ENCG criteria for stationary noise. The intake side of the air handling unit (S1) and fluid cooler (S3) will have acoustic louvers with a minimum insertion loss as described in Table 3. Suitable products for the fluid cooler acoustic louver include a Kinetics KCAL-2-T12, Vibro-Acoustics ALF-LV-18, or equivalent. Suitable products for the make-up air unit acoustic louver include a KCAC-1-T12, Vibro-Acoustics ALF-LV-12, or equivalent.

The main contributor to the exceedance of ENCG criteria, with the addition of acoustic louvers to the MUA and fluid cooler, is the condenser unit atop the mechanical penthouse which is in direct line of sight with the plane of window receptor (R9). The sound levels listed are based on the assumptions outlined in Section 2.1. With consideration of Gradient Wind's recommendations, the proposed development is expected to be compatible with the existing land uses.

6. CONCLUSIONS AND RECOMMENDATIONS

The results of the current assessment for the proposed development indicates that, provided our assumptions for noise control in Section 2.1 are adhered to in the detailed design process, noise levels at nearby points of reception are expected to fall below the ENCG noise criteria at all receptors. As such, the proposed development is expected to be compatible with the existing on and off-site noise sensitive land uses. A review of final equipment selection and locations by a qualified acoustical engineer will be required prior to installation of the equipment.

To ensure compliance with the ENCG the following noise control measures are recorded:

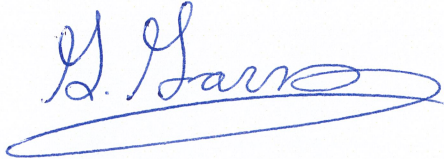
- Noise walls approximately 2.5 metres tall will be located along the south side of the generator enclosure and adjacent to the west façade of the mechanical penthouse, as per Figure 4. The noise wall must be of solid construction with no gaps along the length of the wall. The panels must be constructed of materials having an overall surface density of 20 kg/m² or a sound transmission class rating of 30. The design of the barrier should be reviewed by a qualified acoustic engineer.
- The intake side of the air handling unit and fluid cooler will be fitted with an acoustic louver off the end of the unit. The louvers will have a minimum insertion loss as indicated in Table 3.



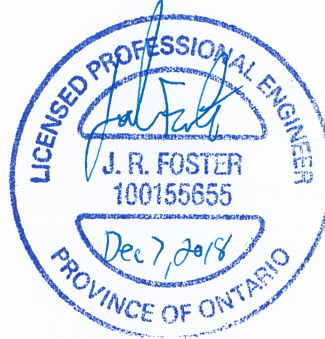
This concludes our assessment and report. If you have any questions or wish to discuss our findings, please advise us. In the interim, we thank you for the opportunity to be of service.

Sincerely,

Gradient Wind Engineering Inc.

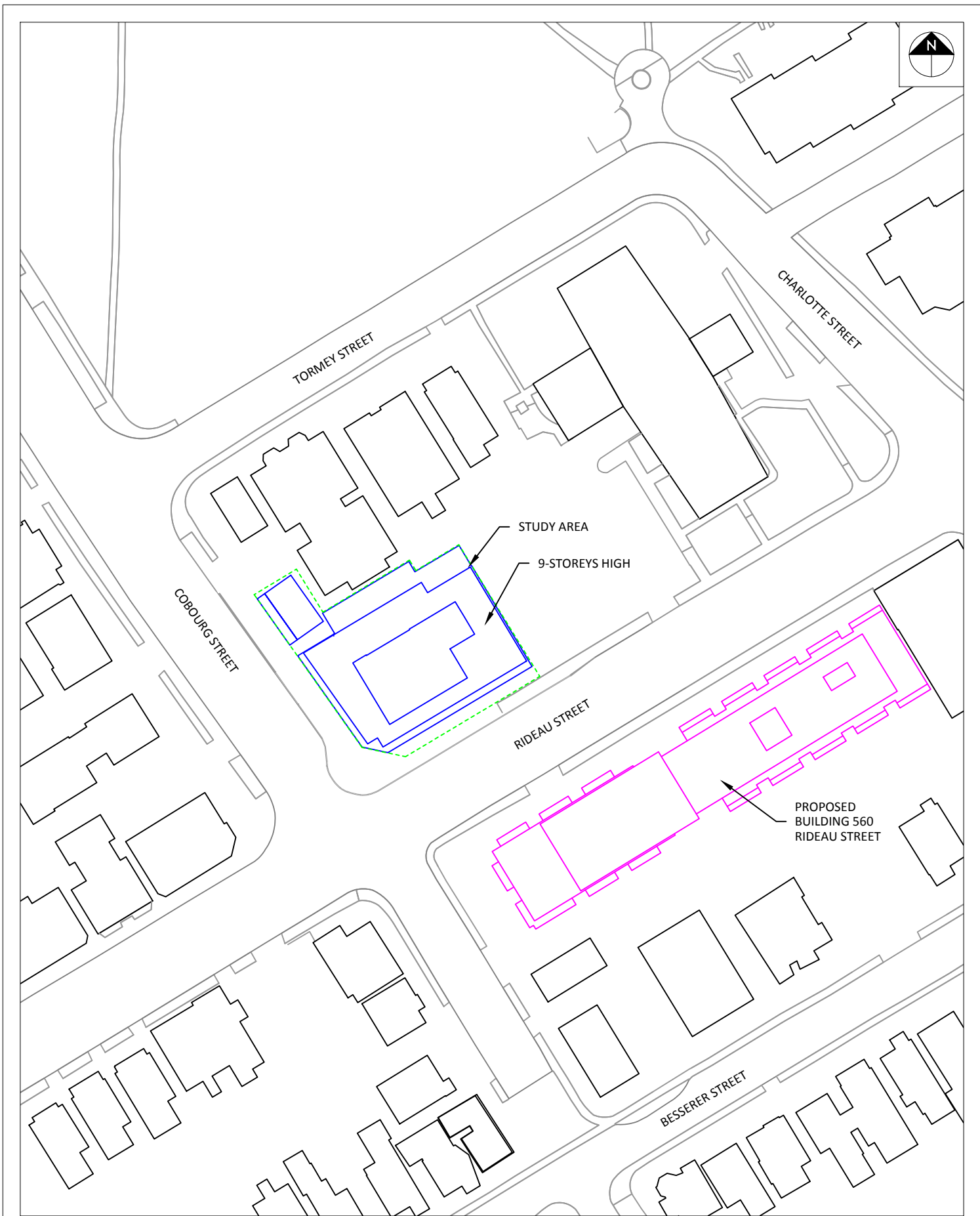


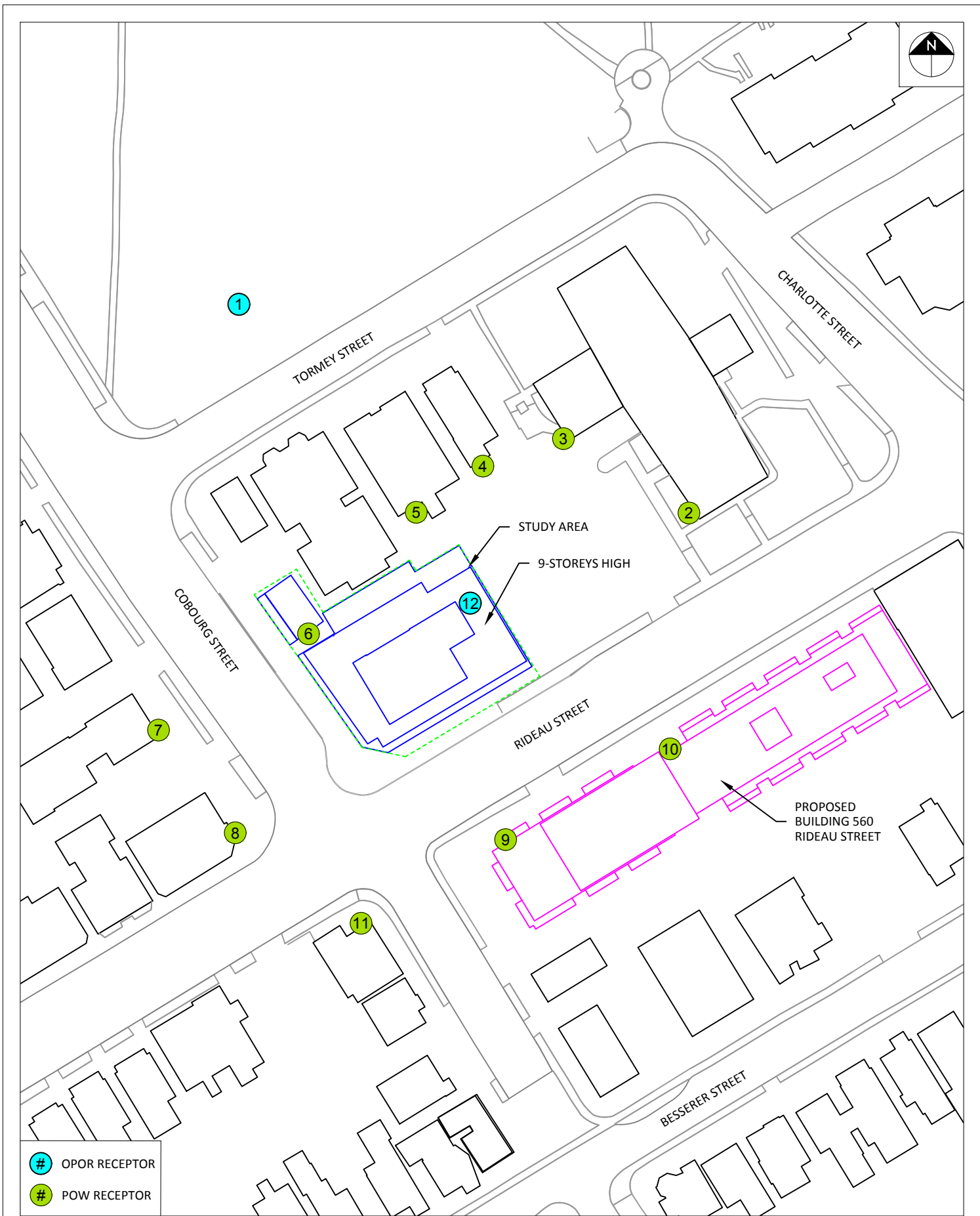
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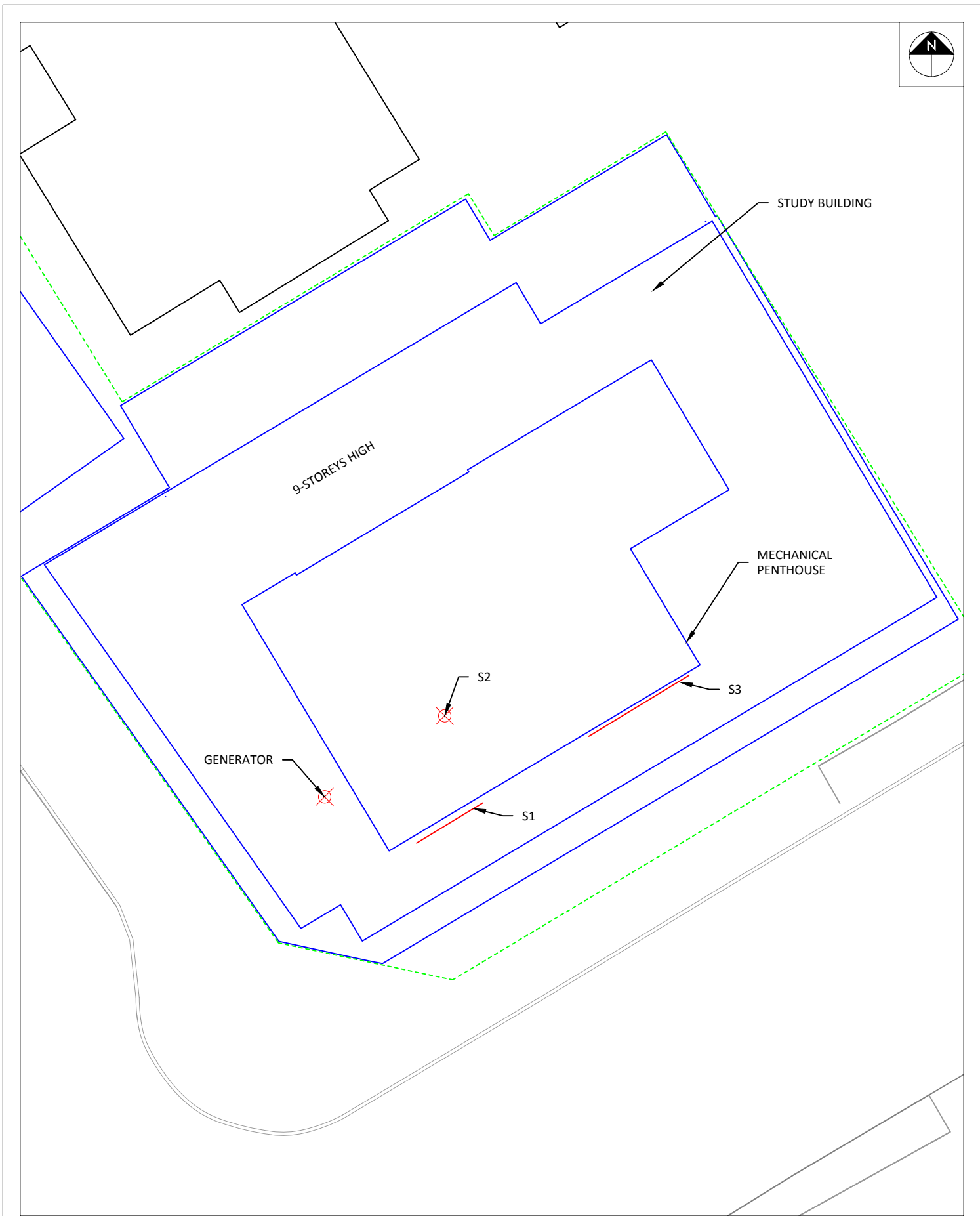


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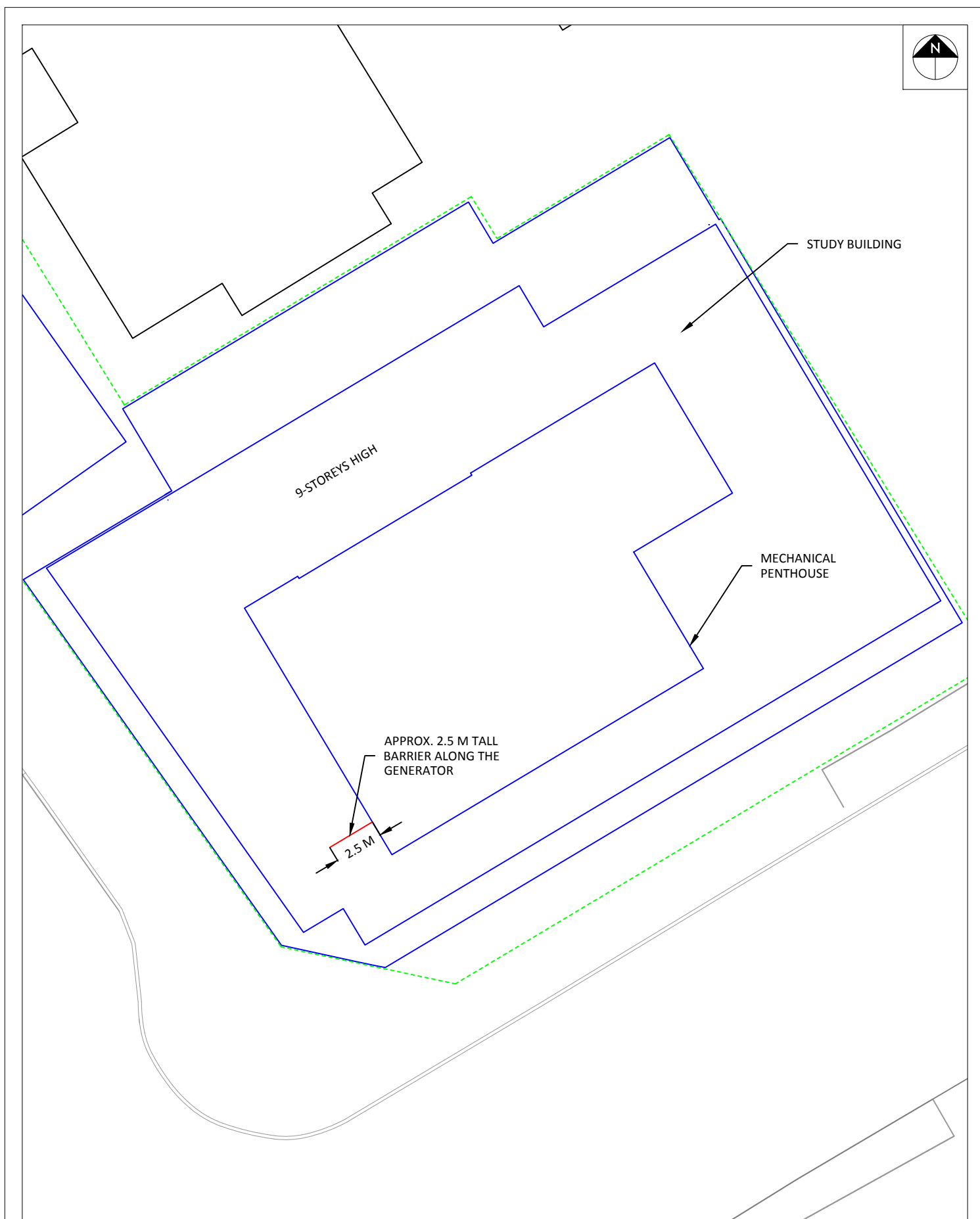








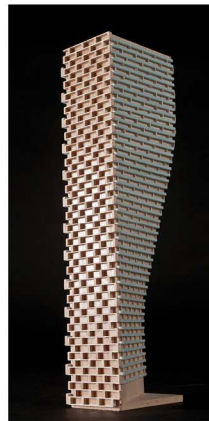
GRADIENTWIND ENGINEERS & SCIENTISTS 127 WALGREEN ROAD, OTTAWA, ON 613 836 0934 • GRADIENTWIND.COM	PROJECT		541-545 RIDEAU STREET - TRAFFIC NOISE ASSESSMENT		DESCRIPTION FIGURE 3: STATIONARY NOISE SOURCE LOCATIONS
	SCALE		DRAWING NO.		
	1:250 (APPROX.)		GWE17-142		
	DATE		DRAWN BY		
	NOVEMBER 20, 2018		G.G.		



GRADIENTWIND ENGINEERS & SCIENTISTS 127 WALGREEN ROAD , OTTAWA, ON 613 836 0934 • GRADIENTWIND.COM	PROJECT		541-545 RIDEAU STREET - TRAFFIC NOISE ASSESSMENT		DESCRIPTION FIGURE 4: PROPOSED BARRIER LOCATION
	SCALE		1:250 (APPROX.)		
	DRAWING NO.		GWE17-142		
	DATE		NOVEMBER 20, 2018		
	DRAWN BY		G.G.		

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APPENDIX A

SAMPLE CALCULATION INPUT/OUTPUT

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Testfile openend: 20/11/2018 2:23:12 PM
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Cross section for receiver R9 (Id=-1793) and source S1 (Id=-58)

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	R9	0.000	369158.77	5032786.02	70.80	50.50	0.00	
Building	LWPOLYLINE	27.750	369140.16	5032806.60	71.00	0.00	0.00	151
Heightline	Tri 13103.3	28.340	369139.77	5032807.04	71.00	0.00	0.00	
Heightline	Tri 14443.2	28.340	369139.77	5032807.04	71.00	0.00	0.00	
Heightline	Tri 14443.1	28.756	369139.49	5032807.35	71.00	0.00	0.00	
Heightline	Tri 15421.3	28.756	369139.49	5032807.35	71.00	0.00	0.00	
Heightline	Tri 15454.1	28.774	369139.48	5032807.36	71.00	0.00	0.00	
Heightline	Tri 15421.2	28.774	369139.48	5032807.36	71.00	0.00	0.00	
Heightline	Tri 15454.3	28.791	369139.47	5032807.38	71.00	0.00	0.00	
Heightline	Tri 15478.1	28.791	369139.47	5032807.38	71.00	0.00	0.00	
Heightline	Tri 12741.2	28.887	369139.40	5032807.45	71.00	0.00	0.00	
Heightline	Tri 15478.3	28.887	369139.40	5032807.45	71.00	0.00	0.00	
Building	LWPOLYLINE	29.276	369139.14	5032807.74	71.00	28.45	0.00	151
Barrier	B1	29.320	369139.11	5032807.77	99.45	0.60	0.00	151
Heightline	Tri 12741.1	29.866	369138.74	5032808.17	71.00	0.00	0.00	
Heightline	Tri 13021.1	29.866	369138.74	5032808.17	71.00	0.00	0.00	
Heightline	Tri 13021.3	30.027	369138.64	5032808.29	71.00	0.00	0.00	
Heightline	Tri 13034.1	30.027	369138.64	5032808.29	71.00	0.00	0.00	
Heightline	Tri 12355.2	30.030	369138.63	5032808.29	71.00	0.00	0.00	
Heightline	Tri 13034.3	30.030	369138.63	5032808.29	71.00	0.00	0.00	
Heightline	Tri 11916.2	30.313	369138.44	5032808.50	71.00	0.00	0.00	
Heightline	Tri 12355.1	30.313	369138.44	5032808.50	71.00	0.00	0.00	
Heightline	Tri 11916.1	30.327	369138.44	5032808.51	71.00	0.00	0.00	
Heightline	Tri 11904.2	30.327	369138.44	5032808.51	71.00	0.00	0.00	
Heightline	Tri 11900.3	30.345	369138.42	5032808.53	71.00	0.00	0.00	
Heightline	Tri 11904.1	30.345	369138.42	5032808.53	71.00	0.00	0.00	
Heightline	Tri 11900.2	30.538	369138.29	5032808.67	71.00	0.00	0.00	
Heightline	Tri 11565.3	30.538	369138.29	5032808.67	71.00	0.00	0.00	
Heightline	Tri 11416.1	30.699	369138.19	5032808.79	71.00	0.00	0.00	
Heightline	Tri 11565.2	30.699	369138.19	5032808.79	71.00	0.00	0.00	
Heightline	Tri 11416.2	32.126	369137.23	5032809.85	71.00	0.00	0.00	
Heightline	Tri 11357.1	32.126	369137.23	5032809.85	71.00	0.00	0.00	
Heightline	Tri 11286.2	32.187	369137.19	5032809.89	71.00	0.00	0.00	
Heightline	Tri 11357.2	32.187	369137.19	5032809.89	71.00	0.00	0.00	
Heightline	Tri 11271.2	32.244	369137.15	5032809.94	71.00	0.00	0.00	
Heightline	Tri 11286.3	32.244	369137.15	5032809.94	71.00	0.00	0.00	
Pointsource	S1	32.274	369137.13	5032809.96	99.45	2.00	0.00	

L(wr)	33.28	46.48	56.58	60.08	54.48	59.68	56.88	59.68	60.58
A(ground)	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00
A(barrier)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(veg)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(sit)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(bld)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(air)	0.00	0.00	0.02	0.04	0.07	0.14	0.37	1.24	4.43
A(geo)	42.56	42.56	42.56	42.56	42.56	42.56	42.56	42.56	42.56
D(i)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
C(meteo)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

L(p)	-3.28	9.91	20.00	23.48	17.84	22.98	19.95	21.88	19.59	29.71
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Cross section for receiver R9 (Id=-1793) and source S1 (Id=-57)

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster	
Receiver	R9	0.000	369158.77	5032786.02	70.80	50.50	0.00		
Building	LWPOLYLINE	27.750	369140.16	5032806.60	71.00	0.00	0.00	151	
Heightline	Tri 13103.3	28.340	369139.77	5032807.04	71.00	0.00	0.00		
Heightline	Tri 14443.2	28.340	369139.77	5032807.04	71.00	0.00	0.00		
Heightline	Tri 14443.1	28.756	369139.49	5032807.35	71.00	0.00	0.00		
Heightline	Tri 15421.3	28.756	369139.49	5032807.35	71.00	0.00	0.00		
Heightline	Tri 15454.1	28.774	369139.48	5032807.36	71.00	0.00	0.00		
Heightline	Tri 15421.2	28.774	369139.48	5032807.36	71.00	0.00	0.00		
Heightline	Tri 15454.3	28.791	369139.47	5032807.38	71.00	0.00	0.00		
Heightline	Tri 15478.1	28.791	369139.47	5032807.38	71.00	0.00	0.00		
Heightline	Tri 12741.2	28.887	369139.40	5032807.45	71.00	0.00	0.00		
Heightline	Tri 15478.3	28.887	369139.40	5032807.45	71.00	0.00	0.00		
Building	LWPOLYLINE	29.276	369139.14	5032807.74	71.00	28.45	0.00	151	
Barrier	B1	29.320	369139.11	5032807.77	99.45	0.60	0.00	151	
Heightline	Tri 12741.1	29.866	369138.74	5032808.17	71.00	0.00	0.00		
Heightline	Tri 13021.1	29.866	369138.74	5032808.17	71.00	0.00	0.00		
Heightline	Tri 13021.3	30.027	369138.64	5032808.29	71.00	0.00	0.00		
Heightline	Tri 13034.1	30.027	369138.64	5032808.29	71.00	0.00	0.00		
Heightline	Tri 12355.2	30.030	369138.63	5032808.29	71.00	0.00	0.00		
Heightline	Tri 13034.3	30.030	369138.63	5032808.29	71.00	0.00	0.00		
Heightline	Tri 11916.2	30.313	369138.44	5032808.50	71.00	0.00	0.00		
Heightline	Tri 12355.1	30.313	369138.44	5032808.50	71.00	0.00	0.00		
Heightline	Tri 11916.1	30.327	369138.44	5032808.51	71.00	0.00	0.00		
Heightline	Tri 11904.2	30.327	369138.44	5032808.51	71.00	0.00	0.00		
Heightline	Tri 11900.3	30.345	369138.42	5032808.53	71.00	0.00	0.00		
Heightline	Tri 11904.1	30.345	369138.42	5032808.53	71.00	0.00	0.00		
Heightline	Tri 11900.2	30.538	369138.29	5032808.67	71.00	0.00	0.00		
Heightline	Tri 11565.3	30.538	369138.29	5032808.67	71.00	0.00	0.00		
Heightline	Tri 11416.1	30.699	369138.19	5032808.79	71.00	0.00	0.00		

Heightline	Tri 11565.2	30.699	369138.19	5032808.79	71.00	0.00	0.00
Heightline	Tri 11416.2	32.126	369137.23	5032809.85	71.00	0.00	0.00
Heightline	Tri 11357.1	32.126	369137.23	5032809.85	71.00	0.00	0.00
Heightline	Tri 11286.2	32.187	369137.19	5032809.89	71.00	0.00	0.00
Heightline	Tri 11357.2	32.187	369137.19	5032809.89	71.00	0.00	0.00
Heightline	Tri 11271.2	32.244	369137.15	5032809.94	71.00	0.00	0.00
Heightline	Tri 11286.3	32.244	369137.15	5032809.94	71.00	0.00	0.00
Pointsource	S1	32.274	369137.13	5032809.96	99.45	1.50	0.00

L(wr)	33.28	46.48	56.58	60.08	54.48	59.68	56.88	59.68	60.58
A(ground)	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00

A(barrier)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(veg)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(sit)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(bld)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(air)	0.00	0.00	0.02	0.04	0.07	0.14	0.37	1.25	4.46
A(geo)	42.62	42.62	42.62	42.62	42.62	42.62	42.62	42.62	42.62
D(i)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
C(meteo)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

L(p)	-3.34	9.85	19.94	23.42	17.78	22.92	19.89	21.81	19.50 29.65
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Cross section for receiver R9 (Id=-1793) and source S1 (Id=-56)

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster	
Receiver	R9	0.000	369158.77	5032786.02	70.80	50.50	0.00		
Building	LWPOLYLINE	27.750	369140.16	5032806.60	71.00	0.00	0.00	151	
Heightline	Tri 13103.3	28.340	369139.77	5032807.04	71.00	0.00	0.00		
Heightline	Tri 14443.2	28.340	369139.77	5032807.04	71.00	0.00	0.00		
Heightline	Tri 14443.1	28.756	369139.49	5032807.35	71.00	0.00	0.00		
Heightline	Tri 15421.3	28.756	369139.49	5032807.35	71.00	0.00	0.00		
Heightline	Tri 15454.1	28.774	369139.48	5032807.36	71.00	0.00	0.00		
Heightline	Tri 15421.2	28.774	369139.48	5032807.36	71.00	0.00	0.00		
Heightline	Tri 15454.3	28.791	369139.47	5032807.38	71.00	0.00	0.00		
Heightline	Tri 15478.1	28.791	369139.47	5032807.38	71.00	0.00	0.00		
Heightline	Tri 12741.2	28.887	369139.40	5032807.45	71.00	0.00	0.00		
Heightline	Tri 15478.3	28.887	369139.40	5032807.45	71.00	0.00	0.00		
Building	LWPOLYLINE	29.276	369139.14	5032807.74	71.00	28.45	0.00	151	
Barrier	B1	29.320	369139.11	5032807.77	99.45	0.60	0.00	151	
Heightline	Tri 12741.1	29.866	369138.74	5032808.17	71.00	0.00	0.00		
Heightline	Tri 13021.1	29.866	369138.74	5032808.17	71.00	0.00	0.00		
Heightline	Tri 13021.3	30.027	369138.64	5032808.29	71.00	0.00	0.00		
Heightline	Tri 13034.1	30.027	369138.64	5032808.29	71.00	0.00	0.00		
Heightline	Tri 12355.2	30.030	369138.63	5032808.29	71.00	0.00	0.00		
Heightline	Tri 13034.3	30.030	369138.63	5032808.29	71.00	0.00	0.00		

Heightline	Tri 11916.2	30.313	369138.44	5032808.50	71.00	0.00	0.00
Heightline	Tri 12355.1	30.313	369138.44	5032808.50	71.00	0.00	0.00
Heightline	Tri 11916.1	30.327	369138.44	5032808.51	71.00	0.00	0.00
Heightline	Tri 11904.2	30.327	369138.44	5032808.51	71.00	0.00	0.00
Heightline	Tri 11900.3	30.345	369138.42	5032808.53	71.00	0.00	0.00
Heightline	Tri 11904.1	30.345	369138.42	5032808.53	71.00	0.00	0.00
Heightline	Tri 11900.2	30.538	369138.29	5032808.67	71.00	0.00	0.00
Heightline	Tri 11565.3	30.538	369138.29	5032808.67	71.00	0.00	0.00
Heightline	Tri 11416.1	30.699	369138.19	5032808.79	71.00	0.00	0.00
Heightline	Tri 11565.2	30.699	369138.19	5032808.79	71.00	0.00	0.00
Heightline	Tri 11416.2	32.126	369137.23	5032809.85	71.00	0.00	0.00
Heightline	Tri 11357.1	32.126	369137.23	5032809.85	71.00	0.00	0.00
Heightline	Tri 11286.2	32.187	369137.19	5032809.89	71.00	0.00	0.00
Heightline	Tri 11357.2	32.187	369137.19	5032809.89	71.00	0.00	0.00
Heightline	Tri 11271.2	32.244	369137.15	5032809.94	71.00	0.00	0.00
Heightline	Tri 11286.3	32.244	369137.15	5032809.94	71.00	0.00	0.00
Pointsource	S1	32.274	369137.13	5032809.96	99.45	1.00	0.00

L(wr)	33.28	46.48	56.58	60.08	54.48	59.68	56.88	59.68	60.58
A(ground)	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00

A(barrier)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(veg)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(sit)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(bld)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(air)	0.00	0.00	0.02	0.04	0.07	0.14	0.37	1.26	4.49
A(geo)	42.68	42.68	42.68	42.68	42.68	42.68	42.68	42.68	42.68
D(i)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
C(meteo)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

L(p)	-3.41	9.79	19.88	23.36	17.72	22.86	19.82	21.74	19.41 29.58
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Cross section for receiver R9 (Id=-1793) and source S1 (Id=-55)

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster	
Receiver	R9	0.000	369158.77	5032786.02	70.80	50.50	0.00		
Heightline	Tri 13103.3	26.786	369141.11	5032806.16	71.00	0.00	0.00		
Heightline	Tri 14443.2	26.786	369141.11	5032806.16	71.00	0.00	0.00		
Heightline	Tri 14443.1	27.522	369140.63	5032806.71	71.00	0.00	0.00		
Heightline	Tri 15421.3	27.522	369140.63	5032806.71	71.00	0.00	0.00		
Heightline	Tri 15454.1	27.554	369140.61	5032806.74	71.00	0.00	0.00		
Heightline	Tri 15421.2	27.554	369140.61	5032806.74	71.00	0.00	0.00		
Heightline	Tri 15454.3	27.585	369140.59	5032806.76	71.00	0.00	0.00		
Heightline	Tri 15478.1	27.585	369140.59	5032806.76	71.00	0.00	0.00		
Building	LWPOLYLINE	27.670	369140.53	5032806.82	71.00	0.00	0.00		151
Heightline	Tri 12741.2	27.758	369140.47	5032806.89	71.00	0.00	0.00		

Heightline	Tri 15478.3	27.758	369140.47	5032806.89	71.00	0.00	0.00	
Building	LWPOLYLINE	29.191	369139.53	5032807.97	71.00	28.45	0.00	151
Barrier	B1	29.236	369139.50	5032808.00	99.45	0.60	0.00	151
Heightline	Tri 12741.1	29.579	369139.27	5032808.26	71.00	0.00	0.00	
Heightline	Tri 13021.1	29.579	369139.27	5032808.26	71.00	0.00	0.00	
Heightline	Tri 13021.3	29.889	369139.07	5032808.49	71.00	0.00	0.00	
Heightline	Tri 13034.1	29.889	369139.07	5032808.49	71.00	0.00	0.00	
Heightline	Tri 12355.2	29.896	369139.06	5032808.50	71.00	0.00	0.00	
Heightline	Tri 13034.3	29.896	369139.06	5032808.50	71.00	0.00	0.00	
Heightline	Tri 11916.2	30.450	369138.70	5032808.91	71.00	0.00	0.00	
Heightline	Tri 12355.1	30.450	369138.70	5032808.91	71.00	0.00	0.00	
Heightline	Tri 11916.1	30.476	369138.68	5032808.93	71.00	0.00	0.00	
Heightline	Tri 11904.2	30.476	369138.68	5032808.93	71.00	0.00	0.00	
Heightline	Tri 11900.3	30.512	369138.66	5032808.96	71.00	0.00	0.00	
Heightline	Tri 11904.1	30.512	369138.66	5032808.96	71.00	0.00	0.00	
Heightline	Tri 11900.2	30.896	369138.41	5032809.25	71.00	0.00	0.00	
Heightline	Tri 11565.3	30.896	369138.41	5032809.25	71.00	0.00	0.00	
Heightline	Tri 11416.1	31.219	369138.19	5032809.49	71.00	0.00	0.00	
Heightline	Tri 11565.2	31.219	369138.19	5032809.49	71.00	0.00	0.00	
Heightline	Tri 11416.2	32.131	369137.59	5032810.18	71.00	0.00	0.00	
Heightline	Tri 11357.1	32.131	369137.59	5032810.18	71.00	0.00	0.00	
Heightline	Tri 11286.2	32.169	369137.57	5032810.21	71.00	0.00	0.00	
Heightline	Tri 11357.2	32.169	369137.57	5032810.21	71.00	0.00	0.00	
Pointsource	S1	32.177	369137.56	5032810.21	99.45	2.00	0.00	

L(wr)	33.28	46.48	56.58	60.08	54.48	59.68	56.88	59.68	60.58
A(ground)	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00

A(barrier)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(veg)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(sit)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(bld)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(air)	0.00	0.00	0.02	0.04	0.07	0.14	0.37	1.24	4.42
A(geo)	42.54	42.54	42.54	42.54	42.54	42.54	42.54	42.54	42.54
D(i)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
C(meteo)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

L(p)	-3.26	9.93	20.02	23.50	17.86	23.00	19.97	21.90	19.62 29.73
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Cross section for receiver R9 (Id=-1793) and source S1 (Id=-54)

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	R9	0.000	369158.77	5032786.02	70.80	50.50	0.00	
Heightline	Tri 13103.3	26.786	369141.11	5032806.16	71.00	0.00	0.00	
Heightline	Tri 14443.2	26.786	369141.11	5032806.16	71.00	0.00	0.00	
Heightline	Tri 14443.1	27.522	369140.63	5032806.71	71.00	0.00	0.00	

Heightline	Tri 15421.3	27.522	369140.63	5032806.71	71.00	0.00	0.00	
Heightline	Tri 15454.1	27.554	369140.61	5032806.74	71.00	0.00	0.00	
Heightline	Tri 15421.2	27.554	369140.61	5032806.74	71.00	0.00	0.00	
Heightline	Tri 15454.3	27.585	369140.59	5032806.76	71.00	0.00	0.00	
Heightline	Tri 15478.1	27.585	369140.59	5032806.76	71.00	0.00	0.00	
Building	LWPOLYLINE	27.670	369140.53	5032806.82	71.00	0.00	0.00	151
Heightline	Tri 12741.2	27.758	369140.47	5032806.89	71.00	0.00	0.00	
Heightline	Tri 15478.3	27.758	369140.47	5032806.89	71.00	0.00	0.00	
Building	LWPOLYLINE	29.191	369139.53	5032807.97	71.00	28.45	0.00	151
Barrier	B1	29.236	369139.50	5032808.00	99.45	0.60	0.00	151
Heightline	Tri 12741.1	29.579	369139.27	5032808.26	71.00	0.00	0.00	
Heightline	Tri 13021.1	29.579	369139.27	5032808.26	71.00	0.00	0.00	
Heightline	Tri 13021.3	29.889	369139.07	5032808.49	71.00	0.00	0.00	
Heightline	Tri 13034.1	29.889	369139.07	5032808.49	71.00	0.00	0.00	
Heightline	Tri 12355.2	29.896	369139.06	5032808.50	71.00	0.00	0.00	
Heightline	Tri 13034.3	29.896	369139.06	5032808.50	71.00	0.00	0.00	
Heightline	Tri 11916.2	30.450	369138.70	5032808.91	71.00	0.00	0.00	
Heightline	Tri 12355.1	30.450	369138.70	5032808.91	71.00	0.00	0.00	
Heightline	Tri 11916.1	30.476	369138.68	5032808.93	71.00	0.00	0.00	
Heightline	Tri 11904.2	30.476	369138.68	5032808.93	71.00	0.00	0.00	
Heightline	Tri 11900.3	30.512	369138.66	5032808.96	71.00	0.00	0.00	
Heightline	Tri 11904.1	30.512	369138.66	5032808.96	71.00	0.00	0.00	
Heightline	Tri 11900.2	30.896	369138.41	5032809.25	71.00	0.00	0.00	
Heightline	Tri 11565.3	30.896	369138.41	5032809.25	71.00	0.00	0.00	
Heightline	Tri 11416.1	31.219	369138.19	5032809.49	71.00	0.00	0.00	
Heightline	Tri 11565.2	31.219	369138.19	5032809.49	71.00	0.00	0.00	
Heightline	Tri 11416.2	32.131	369137.59	5032810.18	71.00	0.00	0.00	
Heightline	Tri 11357.1	32.131	369137.59	5032810.18	71.00	0.00	0.00	
Heightline	Tri 11286.2	32.169	369137.57	5032810.21	71.00	0.00	0.00	
Heightline	Tri 11357.2	32.169	369137.57	5032810.21	71.00	0.00	0.00	
Pointsource	S1	32.177	369137.56	5032810.21	99.45	1.50	0.00	

L(wr)	33.28	46.48	56.58	60.08	54.48	59.68	56.88	59.68	60.58
A(ground)	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00

A(barrier)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(veg)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(sit)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(bld)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(air)	0.00	0.00	0.02	0.04	0.07	0.14	0.37	1.25	4.45
A(geo)	42.60	42.60	42.60	42.60	42.60	42.60	42.60	42.60	42.60
D(i)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
C(meteo)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

L(p)	-3.33	9.87	19.96	23.44	17.80	22.94	19.91	21.83	19.53 29.67
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Cross section for receiver R9 (Id=-1793) and source S1 (Id=-53)

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	R9	0.000	369158.77	5032786.02	70.80	50.50	0.00	
Heightline	Tri 13103.3	26.786	369141.11	5032806.16	71.00	0.00	0.00	
Heightline	Tri 14443.2	26.786	369141.11	5032806.16	71.00	0.00	0.00	
Heightline	Tri 14443.1	27.522	369140.63	5032806.71	71.00	0.00	0.00	
Heightline	Tri 15421.3	27.522	369140.63	5032806.71	71.00	0.00	0.00	
Heightline	Tri 15454.1	27.554	369140.61	5032806.74	71.00	0.00	0.00	
Heightline	Tri 15421.2	27.554	369140.61	5032806.74	71.00	0.00	0.00	
Heightline	Tri 15454.3	27.585	369140.59	5032806.76	71.00	0.00	0.00	
Heightline	Tri 15478.1	27.585	369140.59	5032806.76	71.00	0.00	0.00	
Building	LWPOLYLINE	27.670	369140.53	5032806.82	71.00	0.00	0.00	151
Heightline	Tri 12741.2	27.758	369140.47	5032806.89	71.00	0.00	0.00	
Heightline	Tri 15478.3	27.758	369140.47	5032806.89	71.00	0.00	0.00	
Building	LWPOLYLINE	29.191	369139.53	5032807.97	71.00	28.45	0.00	151
Barrier	B1	29.236	369139.50	5032808.00	99.45	0.60	0.00	151
Heightline	Tri 12741.1	29.579	369139.27	5032808.26	71.00	0.00	0.00	
Heightline	Tri 13021.1	29.579	369139.27	5032808.26	71.00	0.00	0.00	
Heightline	Tri 13021.3	29.889	369139.07	5032808.49	71.00	0.00	0.00	
Heightline	Tri 13034.1	29.889	369139.07	5032808.49	71.00	0.00	0.00	
Heightline	Tri 12355.2	29.896	369139.06	5032808.50	71.00	0.00	0.00	
Heightline	Tri 13034.3	29.896	369139.06	5032808.50	71.00	0.00	0.00	
Heightline	Tri 11916.2	30.450	369138.70	5032808.91	71.00	0.00	0.00	
Heightline	Tri 12355.1	30.450	369138.70	5032808.91	71.00	0.00	0.00	
Heightline	Tri 11916.1	30.476	369138.68	5032808.93	71.00	0.00	0.00	
Heightline	Tri 11904.2	30.476	369138.68	5032808.93	71.00	0.00	0.00	
Heightline	Tri 11900.3	30.512	369138.66	5032808.96	71.00	0.00	0.00	
Heightline	Tri 11904.1	30.512	369138.66	5032808.96	71.00	0.00	0.00	
Heightline	Tri 11900.2	30.896	369138.41	5032809.25	71.00	0.00	0.00	
Heightline	Tri 11565.3	30.896	369138.41	5032809.25	71.00	0.00	0.00	
Heightline	Tri 11416.1	31.219	369138.19	5032809.49	71.00	0.00	0.00	
Heightline	Tri 11565.2	31.219	369138.19	5032809.49	71.00	0.00	0.00	
Heightline	Tri 11416.2	32.131	369137.59	5032810.18	71.00	0.00	0.00	
Heightline	Tri 11357.1	32.131	369137.59	5032810.18	71.00	0.00	0.00	
Heightline	Tri 11286.2	32.169	369137.57	5032810.21	71.00	0.00	0.00	
Heightline	Tri 11357.2	32.169	369137.57	5032810.21	71.00	0.00	0.00	
Pointsource	S1	32.177	369137.56	5032810.21	99.45	1.00	0.00	

L(wr) 33.28 46.48 56.58 60.08 54.48 59.68 56.88 59.68 60.58

A(ground) -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00

A(barrier) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

A(veg) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

A(sit) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

A(bld) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

A(air) 0.00 0.00 0.02 0.04 0.07 0.14 0.37 1.26 4.48

A(veg)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(sit)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(bld)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(air)	0.00	0.00	0.02	0.04	0.07	0.14	0.36	1.24	4.41
A(geo)	42.53	42.53	42.53	42.53	42.53	42.53	42.53	42.53	42.53
D(i)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
C(meteo)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

L(p)	-3.25	9.95	20.04	23.51	17.88	23.02	19.99	21.92	19.64		29.75
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Cross section for receiver R9 (Id=-1793) and source S1 (Id=-51)

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster	
Receiver	R9	0.000	369158.77	5032786.02	70.80	50.50	0.00		
Heightline	Tri 13103.3	25.392	369142.33	5032805.36	71.00	0.00	0.00		
Heightline	Tri 14443.2	25.392	369142.33	5032805.36	71.00	0.00	0.00		
Heightline	Tri 14443.1	26.390	369141.68	5032806.13	71.00	0.00	0.00		
Heightline	Tri 15421.3	26.390	369141.68	5032806.13	71.00	0.00	0.00		
Heightline	Tri 15454.1	26.433	369141.65	5032806.16	71.00	0.00	0.00		
Heightline	Tri 15421.2	26.433	369141.65	5032806.16	71.00	0.00	0.00		
Heightline	Tri 15454.3	26.475	369141.63	5032806.19	71.00	0.00	0.00		
Heightline	Tri 15478.1	26.475	369141.63	5032806.19	71.00	0.00	0.00		
Heightline	Tri 12741.2	26.713	369141.47	5032806.37	71.00	0.00	0.00		
Heightline	Tri 15478.3	26.713	369141.47	5032806.37	71.00	0.00	0.00		
Building	LWPOLYLINE	27.596	369140.90	5032807.04	71.00	0.00	0.00		151
Building	LWPOLYLINE	29.113	369139.92	5032808.20	71.00	28.45	0.00		151
Barrier	B1	29.158	369139.89	5032808.23	99.45	0.60	0.00		151
Heightline	Tri 12741.1	29.302	369139.80	5032808.34	71.00	0.00	0.00		
Heightline	Tri 13021.1	29.302	369139.80	5032808.34	71.00	0.00	0.00		
Heightline	Tri 13021.3	29.759	369139.50	5032808.69	71.00	0.00	0.00		
Heightline	Tri 13034.1	29.759	369139.50	5032808.69	71.00	0.00	0.00		
Heightline	Tri 12355.2	29.769	369139.49	5032808.70	71.00	0.00	0.00		
Heightline	Tri 13034.3	29.769	369139.49	5032808.70	71.00	0.00	0.00		
Heightline	Tri 11916.2	30.595	369138.96	5032809.33	71.00	0.00	0.00		
Heightline	Tri 12355.1	30.595	369138.96	5032809.33	71.00	0.00	0.00		
Heightline	Tri 11916.1	30.635	369138.93	5032809.36	71.00	0.00	0.00		
Heightline	Tri 11904.2	30.635	369138.93	5032809.36	71.00	0.00	0.00		
Heightline	Tri 11900.3	30.689	369138.90	5032809.40	71.00	0.00	0.00		
Heightline	Tri 11904.1	30.689	369138.90	5032809.40	71.00	0.00	0.00		
Heightline	Tri 11900.2	31.271	369138.52	5032809.84	71.00	0.00	0.00		
Heightline	Tri 11565.3	31.271	369138.52	5032809.84	71.00	0.00	0.00		
Heightline	Tri 11416.1	31.768	369138.20	5032810.22	71.00	0.00	0.00		
Heightline	Tri 11565.2	31.768	369138.20	5032810.22	71.00	0.00	0.00		
Pointsource	S1	32.088	369137.99	5032810.47	99.45	1.50	0.00		

L(wr)	33.28	46.48	56.58	60.08	54.48	59.68	56.88	59.68	60.58
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A(ground) -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00

A(barrier) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

A(veg) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

A(sit) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

A(bld) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

A(air) 0.00 0.00 0.02 0.04 0.07 0.14 0.37 1.25 4.44

A(geo) 42.59 42.59 42.59 42.59 42.59 42.59 42.59 42.59 42.59

D(i) 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00

C(meteo) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

L(p) -3.31 9.89 19.98 23.45 17.82 22.95 19.93 21.85 19.55 | 29.69

Cross section for receiver R9 (Id=-1793) and source S1 (Id=-50)

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	R9	0.000	369158.77	5032786.02	70.80	50.50	0.00	
Heightline	Tri 13103.3	25.392	369142.33	5032805.36	71.00	0.00	0.00	
Heightline	Tri 14443.2	25.392	369142.33	5032805.36	71.00	0.00	0.00	
Heightline	Tri 14443.1	26.390	369141.68	5032806.13	71.00	0.00	0.00	
Heightline	Tri 15421.3	26.390	369141.68	5032806.13	71.00	0.00	0.00	
Heightline	Tri 15454.1	26.433	369141.65	5032806.16	71.00	0.00	0.00	
Heightline	Tri 15421.2	26.433	369141.65	5032806.16	71.00	0.00	0.00	
Heightline	Tri 15454.3	26.475	369141.63	5032806.19	71.00	0.00	0.00	
Heightline	Tri 15478.1	26.475	369141.63	5032806.19	71.00	0.00	0.00	
Heightline	Tri 12741.2	26.713	369141.47	5032806.37	71.00	0.00	0.00	
Heightline	Tri 15478.3	26.713	369141.47	5032806.37	71.00	0.00	0.00	
Building	LWPOLYLINE	27.596	369140.90	5032807.04	71.00	0.00	0.00	151
Building	LWPOLYLINE	29.113	369139.92	5032808.20	71.00	28.45	0.00	151
Barrier	B1	29.158	369139.89	5032808.23	99.45	0.60	0.00	151
Heightline	Tri 12741.1	29.302	369139.80	5032808.34	71.00	0.00	0.00	
Heightline	Tri 13021.1	29.302	369139.80	5032808.34	71.00	0.00	0.00	
Heightline	Tri 13021.3	29.759	369139.50	5032808.69	71.00	0.00	0.00	
Heightline	Tri 13034.1	29.759	369139.50	5032808.69	71.00	0.00	0.00	
Heightline	Tri 12355.2	29.769	369139.49	5032808.70	71.00	0.00	0.00	
Heightline	Tri 13034.3	29.769	369139.49	5032808.70	71.00	0.00	0.00	
Heightline	Tri 11916.2	30.595	369138.96	5032809.33	71.00	0.00	0.00	
Heightline	Tri 12355.1	30.595	369138.96	5032809.33	71.00	0.00	0.00	
Heightline	Tri 11916.1	30.635	369138.93	5032809.36	71.00	0.00	0.00	
Heightline	Tri 11904.2	30.635	369138.93	5032809.36	71.00	0.00	0.00	
Heightline	Tri 11900.3	30.689	369138.90	5032809.40	71.00	0.00	0.00	
Heightline	Tri 11904.1	30.689	369138.90	5032809.40	71.00	0.00	0.00	
Heightline	Tri 11900.2	31.271	369138.52	5032809.84	71.00	0.00	0.00	
Heightline	Tri 11565.3	31.271	369138.52	5032809.84	71.00	0.00	0.00	
Heightline	Tri 11416.1	31.768	369138.20	5032810.22	71.00	0.00	0.00	
Heightline	Tri 11565.2	31.768	369138.20	5032810.22	71.00	0.00	0.00	

Pointsource S1 32.088 369137.99 5032810.47 99.45 1.00 0.00

L(wr) 33.28 46.48 56.58 60.08 54.48 59.68 56.88 59.68 60.58

A(ground) -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00

A(barrier) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

A(veg) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

A(sit) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

A(bld) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

A(air) 0.00 0.00 0.02 0.04 0.07 0.14 0.37 1.25 4.47

A(geo) 42.65 42.65 42.65 42.65 42.65 42.65 42.65 42.65 42.65

D(i) 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00

C(meteo) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

L(p) -3.37 9.83 19.92 23.39 17.76 22.89 19.86 21.78 19.46 | 29.62

Cross section for receiver R9 (Id=-1793) and source S1 (Id=-49)

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	R9	0.000	369158.77	5032786.02	70.80	50.50	0.00	
Heightline	Tri 13103.3	24.134	369143.43	5032804.64	71.00	0.00	0.00	
Heightline	Tri 14443.2	24.134	369143.43	5032804.64	71.00	0.00	0.00	
Heightline	Tri 14443.1	25.347	369142.66	5032805.58	71.00	0.00	0.00	
Heightline	Tri 15421.3	25.347	369142.66	5032805.58	71.00	0.00	0.00	
Heightline	Tri 15454.1	25.400	369142.62	5032805.62	71.00	0.00	0.00	
Heightline	Tri 15421.2	25.400	369142.62	5032805.62	71.00	0.00	0.00	
Heightline	Tri 15454.3	25.452	369142.59	5032805.66	71.00	0.00	0.00	
Heightline	Tri 15478.1	25.452	369142.59	5032805.66	71.00	0.00	0.00	
Heightline	Tri 12741.2	25.746	369142.40	5032805.89	71.00	0.00	0.00	
Heightline	Tri 15478.3	25.746	369142.40	5032805.89	71.00	0.00	0.00	
Building	LWPOLYLINE	27.528	369141.27	5032807.26	71.00	0.00	0.00	151
Heightline	Tri 12741.1	29.036	369140.31	5032808.43	71.00	0.00	0.00	
Heightline	Tri 13021.1	29.036	369140.31	5032808.43	71.00	0.00	0.00	
Building	LWPOLYLINE	29.042	369140.31	5032808.43	71.00	28.45	0.00	151
Barrier	B1	29.087	369140.28	5032808.47	99.45	0.60	0.00	151
Heightline	Tri 13021.3	29.637	369139.93	5032808.89	71.00	0.00	0.00	
Heightline	Tri 13034.1	29.637	369139.93	5032808.89	71.00	0.00	0.00	
Heightline	Tri 12355.2	29.649	369139.92	5032808.90	71.00	0.00	0.00	
Heightline	Tri 13034.3	29.649	369139.92	5032808.90	71.00	0.00	0.00	
Heightline	Tri 11916.2	30.750	369139.22	5032809.75	71.00	0.00	0.00	
Heightline	Tri 12355.1	30.750	369139.22	5032809.75	71.00	0.00	0.00	
Heightline	Tri 11916.1	30.803	369139.19	5032809.79	71.00	0.00	0.00	
Heightline	Tri 11904.2	30.803	369139.19	5032809.79	71.00	0.00	0.00	
Heightline	Tri 11900.3	30.877	369139.14	5032809.85	71.00	0.00	0.00	
Heightline	Tri 11904.1	30.877	369139.14	5032809.85	71.00	0.00	0.00	
Heightline	Tri 11900.2	31.666	369138.64	5032810.46	71.00	0.00	0.00	

Heightline	Tri 11565.3	31.666	369138.64	5032810.46	71.00	0.00	0.00
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Pointsource	S1	32.006	369138.42	5032810.72	99.45	2.00	0.00
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L(wr)	33.28	46.48	56.58	60.08	54.48	59.68	56.88	59.68	60.58
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A(ground)	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00
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A(barrier)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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A(veg)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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A(sit)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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A(bld)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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A(air)	0.00	0.00	0.02	0.04	0.07	0.14	0.36	1.23	4.40
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A(geo)	42.51	42.51	42.51	42.51	42.51	42.51	42.51	42.51	42.51
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D(i)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
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C(meteo)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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L(p)	-3.23	9.97	20.05	23.53	17.90	23.03	20.01	21.94	19.67 29.77
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Cross section for receiver R9 (Id=-1793) and source S1 (Id=-48)

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	R9	0.000	369158.77	5032786.02	70.80	50.50	0.00	
Heightline	Tri 13103.3	24.134	369143.43	5032804.64	71.00	0.00	0.00	
Heightline	Tri 14443.2	24.134	369143.43	5032804.64	71.00	0.00	0.00	
Heightline	Tri 14443.1	25.347	369142.66	5032805.58	71.00	0.00	0.00	
Heightline	Tri 15421.3	25.347	369142.66	5032805.58	71.00	0.00	0.00	
Heightline	Tri 15454.1	25.400	369142.62	5032805.62	71.00	0.00	0.00	
Heightline	Tri 15421.2	25.400	369142.62	5032805.62	71.00	0.00	0.00	
Heightline	Tri 15454.3	25.452	369142.59	5032805.66	71.00	0.00	0.00	
Heightline	Tri 15478.1	25.452	369142.59	5032805.66	71.00	0.00	0.00	
Heightline	Tri 12741.2	25.746	369142.40	5032805.89	71.00	0.00	0.00	
Heightline	Tri 15478.3	25.746	369142.40	5032805.89	71.00	0.00	0.00	
Building	LWPOLYLINE	27.528	369141.27	5032807.26	71.00	0.00	0.00	151
Heightline	Tri 12741.1	29.036	369140.31	5032808.43	71.00	0.00	0.00	
Heightline	Tri 13021.1	29.036	369140.31	5032808.43	71.00	0.00	0.00	
Building	LWPOLYLINE	29.042	369140.31	5032808.43	71.00	28.45	0.00	151
Barrier	B1	29.087	369140.28	5032808.47	99.45	0.60	0.00	151
Heightline	Tri 13021.3	29.637	369139.93	5032808.89	71.00	0.00	0.00	
Heightline	Tri 13034.1	29.637	369139.93	5032808.89	71.00	0.00	0.00	
Heightline	Tri 12355.2	29.649	369139.92	5032808.90	71.00	0.00	0.00	
Heightline	Tri 13034.3	29.649	369139.92	5032808.90	71.00	0.00	0.00	
Heightline	Tri 11916.2	30.750	369139.22	5032809.75	71.00	0.00	0.00	
Heightline	Tri 12355.1	30.750	369139.22	5032809.75	71.00	0.00	0.00	
Heightline	Tri 11916.1	30.803	369139.19	5032809.79	71.00	0.00	0.00	
Heightline	Tri 11904.2	30.803	369139.19	5032809.79	71.00	0.00	0.00	
Heightline	Tri 11900.3	30.877	369139.14	5032809.85	71.00	0.00	0.00	

Heightline	Tri 11904.1	30.877	369139.14	5032809.85	71.00	0.00	0.00
Heightline	Tri 11900.2	31.666	369138.64	5032810.46	71.00	0.00	0.00
Heightline	Tri 11565.3	31.666	369138.64	5032810.46	71.00	0.00	0.00
Pointsource	S1	32.006	369138.42	5032810.72	99.45	1.50	0.00

L(wr)	33.28	46.48	56.58	60.08	54.48	59.68	56.88	59.68	60.58
A(ground)	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00

A(barrier)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(veg)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(sit)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(bld)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(air)	0.00	0.00	0.02	0.04	0.07	0.14	0.37	1.24	4.43
A(geo)	42.57	42.57	42.57	42.57	42.57	42.57	42.57	42.57	42.57
D(i)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
C(meteo)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

L(p)	-3.29	9.90	19.99	23.47	17.84	22.97	19.94	21.87	19.58		29.70
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Cross section for receiver R9 (Id=-1793) and source S1 (Id=-47)

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	R9	0.000	369158.77	5032786.02	70.80	50.50	0.00	
Heightline	Tri 13103.3	24.134	369143.43	5032804.64	71.00	0.00	0.00	
Heightline	Tri 14443.2	24.134	369143.43	5032804.64	71.00	0.00	0.00	
Heightline	Tri 14443.1	25.347	369142.66	5032805.58	71.00	0.00	0.00	
Heightline	Tri 15421.3	25.347	369142.66	5032805.58	71.00	0.00	0.00	
Heightline	Tri 15454.1	25.400	369142.62	5032805.62	71.00	0.00	0.00	
Heightline	Tri 15421.2	25.400	369142.62	5032805.62	71.00	0.00	0.00	
Heightline	Tri 15454.3	25.452	369142.59	5032805.66	71.00	0.00	0.00	
Heightline	Tri 15478.1	25.452	369142.59	5032805.66	71.00	0.00	0.00	
Heightline	Tri 12741.2	25.746	369142.40	5032805.89	71.00	0.00	0.00	
Heightline	Tri 15478.3	25.746	369142.40	5032805.89	71.00	0.00	0.00	
Building	LWPOLYLINE	27.528	369141.27	5032807.26	71.00	0.00	0.00	151
Heightline	Tri 12741.1	29.036	369140.31	5032808.43	71.00	0.00	0.00	
Heightline	Tri 13021.1	29.036	369140.31	5032808.43	71.00	0.00	0.00	
Building	LWPOLYLINE	29.042	369140.31	5032808.43	71.00	28.45	0.00	151
Barrier	B1	29.087	369140.28	5032808.47	99.45	0.60	0.00	151
Heightline	Tri 13021.3	29.637	369139.93	5032808.89	71.00	0.00	0.00	
Heightline	Tri 13034.1	29.637	369139.93	5032808.89	71.00	0.00	0.00	
Heightline	Tri 12355.2	29.649	369139.92	5032808.90	71.00	0.00	0.00	
Heightline	Tri 13034.3	29.649	369139.92	5032808.90	71.00	0.00	0.00	
Heightline	Tri 11916.2	30.750	369139.22	5032809.75	71.00	0.00	0.00	
Heightline	Tri 12355.1	30.750	369139.22	5032809.75	71.00	0.00	0.00	
Heightline	Tri 11916.1	30.803	369139.19	5032809.79	71.00	0.00	0.00	
Heightline	Tri 11904.2	30.803	369139.19	5032809.79	71.00	0.00	0.00	

Heightline	Tri 11900.3	30.877	369139.14	5032809.85	71.00	0.00	0.00
Heightline	Tri 11904.1	30.877	369139.14	5032809.85	71.00	0.00	0.00
Heightline	Tri 11900.2	31.666	369138.64	5032810.46	71.00	0.00	0.00
Heightline	Tri 11565.3	31.666	369138.64	5032810.46	71.00	0.00	0.00
Pointsource	S1	32.006	369138.42	5032810.72	99.45	1.00	0.00

L(wr)	33.28	46.48	56.58	60.08	54.48	59.68	56.88	59.68	60.58
A(ground)	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00

A(barrier)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(veg)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(sit)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(bld)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(air)	0.00	0.00	0.02	0.04	0.07	0.14	0.37	1.25	4.46
A(geo)	42.63	42.63	42.63	42.63	42.63	42.63	42.63	42.63	42.63
D(i)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
C(meteo)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

L(p)	-3.35	9.84	19.93	23.41	17.77	22.91	19.88	21.80	19.48 29.64
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Cross section for receiver R9 (Id=-1793) and source S1 (Id=-46)

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster	
Receiver	R9	0.000	369158.77	5032786.02	70.80	50.50	0.00		
Heightline	Tri 13103.3	22.996	369144.43	5032803.99	71.00	0.00	0.00		
Heightline	Tri 14443.2	22.996	369144.43	5032803.99	71.00	0.00	0.00		
Heightline	Tri 14443.1	24.385	369143.56	5032805.08	71.00	0.00	0.00		
Heightline	Tri 15421.3	24.385	369143.56	5032805.08	71.00	0.00	0.00		
Heightline	Tri 15454.1	24.446	369143.52	5032805.12	71.00	0.00	0.00		
Heightline	Tri 15421.2	24.446	369143.52	5032805.12	71.00	0.00	0.00		
Heightline	Tri 15454.3	24.507	369143.48	5032805.17	71.00	0.00	0.00		
Heightline	Tri 15478.1	24.507	369143.48	5032805.17	71.00	0.00	0.00		
Heightline	Tri 12741.2	24.847	369143.27	5032805.44	71.00	0.00	0.00		
Heightline	Tri 15478.3	24.847	369143.27	5032805.44	71.00	0.00	0.00		
Building	LWPOLYLINE	27.467	369141.64	5032807.48	71.00	0.00	0.00		151
Heightline	Tri 12741.1	28.781	369140.82	5032808.51	71.00	0.00	0.00		
Heightline	Tri 13021.1	28.781	369140.82	5032808.51	71.00	0.00	0.00		
Building	LWPOLYLINE	28.977	369140.70	5032808.67	71.00	28.45	0.00		151
Barrier	B1	29.022	369140.67	5032808.70	99.45	0.60	0.00		151
Heightline	Tri 13021.3	29.522	369140.36	5032809.09	71.00	0.00	0.00		
Heightline	Tri 13034.1	29.522	369140.36	5032809.09	71.00	0.00	0.00		
Heightline	Tri 12355.2	29.537	369140.35	5032809.10	71.00	0.00	0.00		
Heightline	Tri 13034.3	29.537	369140.35	5032809.10	71.00	0.00	0.00		
Heightline	Tri 11916.2	30.915	369139.49	5032810.18	71.00	0.00	0.00		
Heightline	Tri 12355.1	30.915	369139.49	5032810.18	71.00	0.00	0.00		
Heightline	Tri 11916.1	30.982	369139.45	5032810.23	71.00	0.00	0.00		

Heightline	Tri 11904.2	30.982	369139.45	5032810.23	71.00	0.00	0.00
Heightline	Tri 11900.3	31.075	369139.39	5032810.30	71.00	0.00	0.00
Heightline	Tri 11904.1	31.075	369139.39	5032810.30	71.00	0.00	0.00
Pointsource	S1	31.933	369138.85	5032810.97	99.45	2.00	0.00

L(wr)	33.28	46.48	56.58	60.08	54.48	59.68	56.88	59.68	60.58
A(ground)	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00

A(barrier)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(veg)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(sit)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(bld)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(air)	0.00	0.00	0.02	0.04	0.07	0.14	0.36	1.23	4.39
A(geo)	42.50	42.50	42.50	42.50	42.50	42.50	42.50	42.50	42.50
D(i)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
C(meteo)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

L(p)	-3.22	9.98	20.07	23.55	17.91	23.05	20.02	21.95	19.69 29.79
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Cross section for receiver R9 (Id=-1793) and source S1 (Id=-45)

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	R9	0.000	369158.77	5032786.02	70.80	50.50	0.00	
Heightline	Tri 13103.3	22.996	369144.43	5032803.99	71.00	0.00	0.00	
Heightline	Tri 14443.2	22.996	369144.43	5032803.99	71.00	0.00	0.00	
Heightline	Tri 14443.1	24.385	369143.56	5032805.08	71.00	0.00	0.00	
Heightline	Tri 15421.3	24.385	369143.56	5032805.08	71.00	0.00	0.00	
Heightline	Tri 15454.1	24.446	369143.52	5032805.12	71.00	0.00	0.00	
Heightline	Tri 15421.2	24.446	369143.52	5032805.12	71.00	0.00	0.00	
Heightline	Tri 15454.3	24.507	369143.48	5032805.17	71.00	0.00	0.00	
Heightline	Tri 15478.1	24.507	369143.48	5032805.17	71.00	0.00	0.00	
Heightline	Tri 12741.2	24.847	369143.27	5032805.44	71.00	0.00	0.00	
Heightline	Tri 15478.3	24.847	369143.27	5032805.44	71.00	0.00	0.00	
Building	LWPOLYLINE	27.467	369141.64	5032807.48	71.00	0.00	0.00	151
Heightline	Tri 12741.1	28.781	369140.82	5032808.51	71.00	0.00	0.00	
Heightline	Tri 13021.1	28.781	369140.82	5032808.51	71.00	0.00	0.00	
Building	LWPOLYLINE	28.977	369140.70	5032808.67	71.00	28.45	0.00	151
Barrier	B1	29.022	369140.67	5032808.70	99.45	0.60	0.00	151
Heightline	Tri 13021.3	29.522	369140.36	5032809.09	71.00	0.00	0.00	
Heightline	Tri 13034.1	29.522	369140.36	5032809.09	71.00	0.00	0.00	
Heightline	Tri 12355.2	29.537	369140.35	5032809.10	71.00	0.00	0.00	
Heightline	Tri 13034.3	29.537	369140.35	5032809.10	71.00	0.00	0.00	
Heightline	Tri 11916.2	30.915	369139.49	5032810.18	71.00	0.00	0.00	
Heightline	Tri 12355.1	30.915	369139.49	5032810.18	71.00	0.00	0.00	
Heightline	Tri 11916.1	30.982	369139.45	5032810.23	71.00	0.00	0.00	
Heightline	Tri 11904.2	30.982	369139.45	5032810.23	71.00	0.00	0.00	

Heightline	Tri 11900.3	31.075	369139.39	5032810.30	71.00	0.00	0.00
Heightline	Tri 11904.1	31.075	369139.39	5032810.30	71.00	0.00	0.00
Pointsource	S1	31.933	369138.85	5032810.97	99.45	1.50	0.00

L(wr)	33.28	46.48	56.58	60.08	54.48	59.68	56.88	59.68	60.58
A(ground)	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00

A(barrier)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(veg)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(sit)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(bld)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(air)	0.00	0.00	0.02	0.04	0.07	0.14	0.37	1.24	4.43
A(geo)	42.56	42.56	42.56	42.56	42.56	42.56	42.56	42.56	42.56
D(i)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
C(meteo)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

L(p)	-3.28	9.92	20.01	23.48	17.85	22.98	19.96	21.88	19.60 29.72
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Cross section for receiver R9 (Id=-1793) and source S1 (Id=-44)

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	R9	0.000	369158.77	5032786.02	70.80	50.50	0.00	
Heightline	Tri 13103.3	22.996	369144.43	5032803.99	71.00	0.00	0.00	
Heightline	Tri 14443.2	22.996	369144.43	5032803.99	71.00	0.00	0.00	
Heightline	Tri 14443.1	24.385	369143.56	5032805.08	71.00	0.00	0.00	
Heightline	Tri 15421.3	24.385	369143.56	5032805.08	71.00	0.00	0.00	
Heightline	Tri 15454.1	24.446	369143.52	5032805.12	71.00	0.00	0.00	
Heightline	Tri 15421.2	24.446	369143.52	5032805.12	71.00	0.00	0.00	
Heightline	Tri 15454.3	24.507	369143.48	5032805.17	71.00	0.00	0.00	
Heightline	Tri 15478.1	24.507	369143.48	5032805.17	71.00	0.00	0.00	
Heightline	Tri 12741.2	24.847	369143.27	5032805.44	71.00	0.00	0.00	
Heightline	Tri 15478.3	24.847	369143.27	5032805.44	71.00	0.00	0.00	
Building	LWPOLYLINE	27.467	369141.64	5032807.48	71.00	0.00	0.00	151
Heightline	Tri 12741.1	28.781	369140.82	5032808.51	71.00	0.00	0.00	
Heightline	Tri 13021.1	28.781	369140.82	5032808.51	71.00	0.00	0.00	
Building	LWPOLYLINE	28.977	369140.70	5032808.67	71.00	28.45	0.00	151
Barrier	B1	29.022	369140.67	5032808.70	99.45	0.60	0.00	151
Heightline	Tri 13021.3	29.522	369140.36	5032809.09	71.00	0.00	0.00	
Heightline	Tri 13034.1	29.522	369140.36	5032809.09	71.00	0.00	0.00	
Heightline	Tri 12355.2	29.537	369140.35	5032809.10	71.00	0.00	0.00	
Heightline	Tri 13034.3	29.537	369140.35	5032809.10	71.00	0.00	0.00	
Heightline	Tri 11916.2	30.915	369139.49	5032810.18	71.00	0.00	0.00	
Heightline	Tri 12355.1	30.915	369139.49	5032810.18	71.00	0.00	0.00	
Heightline	Tri 11916.1	30.982	369139.45	5032810.23	71.00	0.00	0.00	
Heightline	Tri 11904.2	30.982	369139.45	5032810.23	71.00	0.00	0.00	
Heightline	Tri 11900.3	31.075	369139.39	5032810.30	71.00	0.00	0.00	

Heightline	Tri 11904.1	31.075	369139.39	5032810.30	71.00	0.00	0.00
Pointsource	S1	31.933	369138.85	5032810.97	99.45	1.00	0.00

L(wr)	33.28	46.48	56.58	60.08	54.48	59.68	56.88	59.68	60.58
A(ground)	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00

A(barrier)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(veg)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(sit)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(bld)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(air)	0.00	0.00	0.02	0.04	0.07	0.14	0.37	1.25	4.46
A(geo)	42.62	42.62	42.62	42.62	42.62	42.62	42.62	42.62	42.62
D(i)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
C(meteo)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

L(p)	-3.34	9.86	19.95	23.42	17.79	22.92	19.89	21.81	19.50		29.65
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Cross section for receiver R9 (Id=-1793) and source S1 (Id=-43)

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	R9	0.000	369158.77	5032786.02	70.80	50.50	0.00	
Heightline	Tri 13103.3	21.960	369145.34	5032803.39	71.00	0.00	0.00	
Heightline	Tri 14443.2	21.960	369145.34	5032803.39	71.00	0.00	0.00	
Heightline	Tri 14443.1	23.495	369144.40	5032804.61	71.00	0.00	0.00	
Heightline	Tri 15421.3	23.495	369144.40	5032804.61	71.00	0.00	0.00	
Heightline	Tri 15454.1	23.563	369144.36	5032804.66	71.00	0.00	0.00	
Heightline	Tri 15421.2	23.563	369144.36	5032804.66	71.00	0.00	0.00	
Heightline	Tri 15454.3	23.630	369144.32	5032804.71	71.00	0.00	0.00	
Heightline	Tri 15478.1	23.630	369144.32	5032804.71	71.00	0.00	0.00	
Heightline	Tri 12741.2	24.011	369144.09	5032805.01	71.00	0.00	0.00	
Heightline	Tri 15478.3	24.011	369144.09	5032805.01	71.00	0.00	0.00	
Building	LWPOLYLINE	27.412	369142.01	5032807.71	71.00	0.00	0.00	151
Heightline	Tri 12741.1	28.535	369141.32	5032808.59	71.00	0.00	0.00	
Heightline	Tri 13021.1	28.535	369141.32	5032808.59	71.00	0.00	0.00	
Building	LWPOLYLINE	28.920	369141.09	5032808.90	71.00	28.45	0.00	151
Barrier	B1	28.965	369141.06	5032808.93	99.45	0.60	0.00	151
Heightline	Tri 13021.3	29.414	369140.78	5032809.29	71.00	0.00	0.00	
Heightline	Tri 13034.1	29.414	369140.78	5032809.29	71.00	0.00	0.00	
Heightline	Tri 12355.2	29.432	369140.77	5032809.30	71.00	0.00	0.00	
Heightline	Tri 13034.3	29.432	369140.77	5032809.30	71.00	0.00	0.00	
Heightline	Tri 11916.2	31.090	369139.76	5032810.61	71.00	0.00	0.00	
Heightline	Tri 12355.1	31.090	369139.76	5032810.61	71.00	0.00	0.00	
Heightline	Tri 11916.1	31.171	369139.71	5032810.68	71.00	0.00	0.00	
Heightline	Tri 11904.2	31.171	369139.71	5032810.68	71.00	0.00	0.00	
Heightline	Tri 11900.3	31.285	369139.64	5032810.77	71.00	0.00	0.00	
Heightline	Tri 11904.1	31.285	369139.64	5032810.77	71.00	0.00	0.00	

Pointsource S1 31.866 369139.28 5032811.23 99.45 2.00 0.00

L(wr) 33.28 46.48 56.58 60.08 54.48 59.68 56.88 59.68 60.58

A(ground) -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00

A(barrier) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

A(veg) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

A(sit) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

A(bld) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

A(air) 0.00 0.00 0.02 0.04 0.07 0.14 0.36 1.23 4.39

A(geo) 42.48 42.48 42.48 42.48 42.48 42.48 42.48 42.48 42.48

D(i) 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00

C(meteo) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

L(p) -3.20 9.99 20.08 23.56 17.92 23.06 20.03 21.97 19.71 | 29.80

Cross section for receiver R9 (Id=-1793) and source S1 (Id=-42)

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	R9	0.000	369158.77	5032786.02	70.80	50.50	0.00	
Heightline	Tri 13103.3	21.960	369145.34	5032803.39	71.00	0.00	0.00	
Heightline	Tri 14443.2	21.960	369145.34	5032803.39	71.00	0.00	0.00	
Heightline	Tri 14443.1	23.495	369144.40	5032804.61	71.00	0.00	0.00	
Heightline	Tri 15421.3	23.495	369144.40	5032804.61	71.00	0.00	0.00	
Heightline	Tri 15454.1	23.563	369144.36	5032804.66	71.00	0.00	0.00	
Heightline	Tri 15421.2	23.563	369144.36	5032804.66	71.00	0.00	0.00	
Heightline	Tri 15454.3	23.630	369144.32	5032804.71	71.00	0.00	0.00	
Heightline	Tri 15478.1	23.630	369144.32	5032804.71	71.00	0.00	0.00	
Heightline	Tri 12741.2	24.011	369144.09	5032805.01	71.00	0.00	0.00	
Heightline	Tri 15478.3	24.011	369144.09	5032805.01	71.00	0.00	0.00	
Building	LWPOLYLINE	27.412	369142.01	5032807.71	71.00	0.00	0.00	151
Heightline	Tri 12741.1	28.535	369141.32	5032808.59	71.00	0.00	0.00	
Heightline	Tri 13021.1	28.535	369141.32	5032808.59	71.00	0.00	0.00	
Building	LWPOLYLINE	28.920	369141.09	5032808.90	71.00	28.45	0.00	151
Barrier	B1	28.965	369141.06	5032808.93	99.45	0.60	0.00	151
Heightline	Tri 13021.3	29.414	369140.78	5032809.29	71.00	0.00	0.00	
Heightline	Tri 13034.1	29.414	369140.78	5032809.29	71.00	0.00	0.00	
Heightline	Tri 12355.2	29.432	369140.77	5032809.30	71.00	0.00	0.00	
Heightline	Tri 13034.3	29.432	369140.77	5032809.30	71.00	0.00	0.00	
Heightline	Tri 11916.2	31.090	369139.76	5032810.61	71.00	0.00	0.00	
Heightline	Tri 12355.1	31.090	369139.76	5032810.61	71.00	0.00	0.00	
Heightline	Tri 11916.1	31.171	369139.71	5032810.68	71.00	0.00	0.00	
Heightline	Tri 11904.2	31.171	369139.71	5032810.68	71.00	0.00	0.00	
Heightline	Tri 11900.3	31.285	369139.64	5032810.77	71.00	0.00	0.00	
Heightline	Tri 11904.1	31.285	369139.64	5032810.77	71.00	0.00	0.00	
Pointsource	S1	31.866	369139.28	5032811.23	99.45	1.50	0.00	

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L(wr)      33.28 46.48 56.58 60.08 54.48 59.68 56.88 59.68 60.58
A(ground)   -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00
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```
A(barrier)   0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
A(veg)       0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
A(sit)       0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
A(bld)       0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
A(air)       0.00 0.00 0.02 0.04 0.07 0.14 0.37 1.24 4.42
A(geo)       42.54 42.54 42.54 42.54 42.54 42.54 42.54 42.54 42.54
D(i)        3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00
C(meteo)     0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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L(p)        -3.27 9.93 20.02 23.50 17.86 23.00 19.97 21.90 19.62 | 29.73
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Cross section for receiver R9 (Id=-1793) and source S1 (Id=-41)
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ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	R9	0.000	369158.77	5032786.02	70.80	50.50	0.00	
Heightline	Tri 13103.3	21.960	369145.34	5032803.39	71.00	0.00	0.00	
Heightline	Tri 14443.2	21.960	369145.34	5032803.39	71.00	0.00	0.00	
Heightline	Tri 14443.1	23.495	369144.40	5032804.61	71.00	0.00	0.00	
Heightline	Tri 15421.3	23.495	369144.40	5032804.61	71.00	0.00	0.00	
Heightline	Tri 15454.1	23.563	369144.36	5032804.66	71.00	0.00	0.00	
Heightline	Tri 15421.2	23.563	369144.36	5032804.66	71.00	0.00	0.00	
Heightline	Tri 15454.3	23.630	369144.32	5032804.71	71.00	0.00	0.00	
Heightline	Tri 15478.1	23.630	369144.32	5032804.71	71.00	0.00	0.00	
Heightline	Tri 12741.2	24.011	369144.09	5032805.01	71.00	0.00	0.00	
Heightline	Tri 15478.3	24.011	369144.09	5032805.01	71.00	0.00	0.00	
Building	LWPOLYLINE	27.412	369142.01	5032807.71	71.00	0.00	0.00	151
Heightline	Tri 12741.1	28.535	369141.32	5032808.59	71.00	0.00	0.00	
Heightline	Tri 13021.1	28.535	369141.32	5032808.59	71.00	0.00	0.00	
Building	LWPOLYLINE	28.920	369141.09	5032808.90	71.00	28.45	0.00	151
Barrier	B1	28.965	369141.06	5032808.93	99.45	0.60	0.00	151
Heightline	Tri 13021.3	29.414	369140.78	5032809.29	71.00	0.00	0.00	
Heightline	Tri 13034.1	29.414	369140.78	5032809.29	71.00	0.00	0.00	
Heightline	Tri 12355.2	29.432	369140.77	5032809.30	71.00	0.00	0.00	
Heightline	Tri 13034.3	29.432	369140.77	5032809.30	71.00	0.00	0.00	
Heightline	Tri 11916.2	31.090	369139.76	5032810.61	71.00	0.00	0.00	
Heightline	Tri 12355.1	31.090	369139.76	5032810.61	71.00	0.00	0.00	
Heightline	Tri 11916.1	31.171	369139.71	5032810.68	71.00	0.00	0.00	
Heightline	Tri 11904.2	31.171	369139.71	5032810.68	71.00	0.00	0.00	
Heightline	Tri 11900.3	31.285	369139.64	5032810.77	71.00	0.00	0.00	
Heightline	Tri 11904.1	31.285	369139.64	5032810.77	71.00	0.00	0.00	
Pointsource	S1	31.866	369139.28	5032811.23	99.45	1.00	0.00	

L(wr)	33.28	46.48	56.58	60.08	54.48	59.68	56.88	59.68	60.58
A(ground)	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00
A(barrier)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(veg)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(sit)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(bld)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(air)	0.00	0.00	0.02	0.04	0.07	0.14	0.37	1.25	4.45
A(geo)	42.61	42.61	42.61	42.61	42.61	42.61	42.61	42.61	42.61
D(i)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
C(meteo)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

L(p)	-3.33	9.87	19.96	23.43	17.80	22.93	19.91	21.83	19.52		29.67
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Cross section for receiver R9 (Id=-1793) and source S1 (Id=-40)

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	R9	0.000	369158.77	5032786.02	70.80	50.50	0.00	
Heightline	Tri 13103.3	21.015	369146.18	5032802.84	71.00	0.00	0.00	
Heightline	Tri 14443.2	21.015	369146.18	5032802.84	71.00	0.00	0.00	
Heightline	Tri 14443.1	22.669	369145.19	5032804.17	71.00	0.00	0.00	
Heightline	Tri 15421.3	22.669	369145.19	5032804.17	71.00	0.00	0.00	
Heightline	Tri 15454.1	22.744	369145.14	5032804.23	71.00	0.00	0.00	
Heightline	Tri 15421.2	22.744	369145.14	5032804.23	71.00	0.00	0.00	
Heightline	Tri 15454.3	22.817	369145.10	5032804.28	71.00	0.00	0.00	
Heightline	Tri 15478.1	22.817	369145.10	5032804.28	71.00	0.00	0.00	
Heightline	Tri 12741.2	23.232	369144.85	5032804.62	71.00	0.00	0.00	
Heightline	Tri 15478.3	23.232	369144.85	5032804.62	71.00	0.00	0.00	
Building	LWPOLYLINE	27.364	369142.38	5032807.93	71.00	0.00	0.00	151
Heightline	Tri 12741.1	28.300	369141.82	5032808.67	71.00	0.00	0.00	
Heightline	Tri 13021.1	28.300	369141.82	5032808.67	71.00	0.00	0.00	
Building	LWPOLYLINE	28.869	369141.47	5032809.13	71.00	28.45	0.00	151
Barrier	B1	28.915	369141.45	5032809.17	99.45	0.60	0.00	151
Heightline	Tri 13021.3	29.314	369141.21	5032809.49	71.00	0.00	0.00	
Heightline	Tri 13034.1	29.314	369141.21	5032809.49	71.00	0.00	0.00	
Heightline	Tri 12355.2	29.335	369141.20	5032809.50	71.00	0.00	0.00	
Heightline	Tri 13034.3	29.335	369141.20	5032809.50	71.00	0.00	0.00	
Heightline	Tri 11916.2	31.275	369140.03	5032811.06	71.00	0.00	0.00	
Heightline	Tri 12355.1	31.275	369140.03	5032811.06	71.00	0.00	0.00	
Heightline	Tri 11916.1	31.371	369139.98	5032811.13	71.00	0.00	0.00	
Heightline	Tri 11904.2	31.371	369139.98	5032811.13	71.00	0.00	0.00	
Heightline	Tri 11900.3	31.505	369139.90	5032811.24	71.00	0.00	0.00	
Heightline	Tri 11904.1	31.505	369139.90	5032811.24	71.00	0.00	0.00	
Pointsource	S1	31.808	369139.71	5032811.48	99.45	2.00	0.00	

L(wr)	33.28	46.48	56.58	60.08	54.48	59.68	56.88	59.68	60.58
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A(ground) -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00

A(barrier) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

A(veg) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

A(sit) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

A(bld) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

A(air) 0.00 0.00 0.02 0.04 0.07 0.14 0.36 1.23 4.38

A(geo) 42.47 42.47 42.47 42.47 42.47 42.47 42.47 42.47 42.47

D(i) 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00

C(meteo) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

L(p) -3.19 10.00 20.09 23.57 17.94 23.07 20.05 21.98 19.73 | 29.81

Cross section for receiver R9 (Id=-1793) and source S1 (Id=-39)

ItemType	Id	Distance	X	Y	Hgrnd	Height	GrndFact	Cluster
Receiver	R9	0.000	369158.77	5032786.02	70.80	50.50	0.00	
Heightline	Tri 13103.3	21.015	369146.18	5032802.84	71.00	0.00	0.00	
Heightline	Tri 14443.2	21.015	369146.18	5032802.84	71.00	0.00	0.00	
Heightline	Tri 14443.1	22.669	369145.19	5032804.17	71.00	0.00	0.00	
Heightline	Tri 15421.3	22.669	369145.19	5032804.17	71.00	0.00	0.00	
Heightline	Tri 15454.1	22.744	369145.14	5032804.23	71.00	0.00	0.00	
Heightline	Tri 15421.2	22.744	369145.14	5032804.23	71.00	0.00	0.00	
Heightline	Tri 15454.3	22.817	369145.10	5032804.28	71.00	0.00	0.00	
Heightline	Tri 15478.1	22.817	369145.10	5032804.28	71.00	0.00	0.00	
Heightline	Tri 12741.2	23.232	369144.85	5032804.62	71.00	0.00	0.00	
Heightline	Tri 15478.3	23.232	369144.85	5032804.62	71.00	0.00	0.00	
Building	LWPOLYLINE	27.364	369142.38	5032807.93	71.00	0.00	0.00	151
Heightline	Tri 12741.1	28.300	369141.82	5032808.67	71.00	0.00	0.00	
Heightline	Tri 13021.1	28.300	369141.82	5032808.67	71.00	0.00	0.00	
Building	LWPOLYLINE	28.869	369141.47	5032809.13	71.00	28.45	0.00	151
Barrier	B1	28.915	369141.45	5032809.17	99.45	0.60	0.00	151
Heightline	Tri 13021.3	29.314	369141.21	5032809.49	71.00	0.00	0.00	
Heightline	Tri 13034.1	29.314	369141.21	5032809.49	71.00	0.00	0.00	
Heightline	Tri 12355.2	29.335	369141.20	5032809.50	71.00	0.00	0.00	
Heightline	Tri 13034.3	29.335	369141.20	5032809.50	71.00	0.00	0.00	
Heightline	Tri 11916.2	31.275	369140.03	5032811.06	71.00	0.00	0.00	
Heightline	Tri 12355.1	31.275	369140.03	5032811.06	71.00	0.00	0.00	
Heightline	Tri 11916.1	31.371	369139.98	5032811.13	71.00	0.00	0.00	
Heightline	Tri 11904.2	31.371	369139.98	5032811.13	71.00	0.00	0.00	
Heightline	Tri 11900.3	31.505	369139.90	5032811.24	71.00	0.00	0.00	
Heightline	Tri 11904.1	31.505	369139.90	5032811.24	71.00	0.00	0.00	
Pointsource	S1	31.808	369139.71	5032811.48	99.45	1.50	0.00	

L(wr) 33.28 46.48 56.58 60.08 54.48 59.68 56.88 59.68 60.58

A(ground) -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00

A(barrier)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(veg)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(sit)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(bld)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A(air)	0.00	0.00	0.02	0.04	0.07	0.14	0.37	1.25	4.45
A(geo)	42.60	42.60	42.60	42.60	42.60	42.60	42.60	42.60	42.60
D(i)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
C(meteo)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

L(p)	-3.32	9.88	19.97	23.45	17.81	22.95	19.92	21.84	19.54		29.68
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Height	Source	Per	LAeq	32	63	125	250	500	1000	2000	4000	8000
50.50	S1	1	42.92	9.93	23.12	33.21	36.69	31.06	36.19	33.16	35.08	32.79
50.50	S1	2	--	--	--	--	--	--	--	--	--	--
50.50	S1	3	39.91	6.92	20.11	30.20	33.68	28.05	33.18	30.15	32.07	29.78
50.50	S1	4	--	--	--	--	--	--	--	--	--	--

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Height	Per	LAeq	32	63	125	250	500	1000	2000	4000	8000
50.50	1	42.92	9.93	23.12	33.21	36.69	31.06	36.19	33.16	35.08	32.79
50.50	2	--	--	--	--	--	--	--	--	--	--
50.50	3	39.91	6.92	20.11	30.20	33.68	28.05	33.18	30.15	32.07	29.78
50.50	4	--	--	--	--	--	--	--	--	--	--

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0.0052;	1062;	0.0000049;	"WriteTestString"

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Testfile closed: 20/11/2018 2:23:12 PM

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